



FLORA OF AUSTRALIA

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2nd edition



Section 5: Key and Glossary

Key to Families of Flowering Plants

A.E.Orchard

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KEY TO FAMILIES OF FLOWERING PLANTS

*A.E.Orchard*¹

This key is based on an unpublished key to Queensland flowering plants by the late A.Cayzer. It was modified and published as *Keys to the Families and Genera of Queensland Flowering Plants (Magnoliophyta)*, 2nd edn by H.T.Clifford & G.Ludlow (University of Queensland Press, 1978) and was further modified by H.T.Clifford for publication in *Flora of Australia Volume 1, Introduction*, 1st edn (Australian Government Publishing Service, 1981). In this edition it has again been modified and restructured, based on suggestions from numerous users over the last 15 years. Their contributions are gratefully acknowledged.

- 1 Embryo with 2 (rarely 1, 3 or more) cotyledons; leaf venation usually reticulate; leaf base rarely sheathing; perianth 4- or 5- (rarely 3- or more than 5-) merous (Dicotyledons).....2
- 1: Embryo with 1 cotyledon; leaf venation usually convergent; leaf base usually sheathing; perianth 3- (occasionally 2- or 4-) merous (Monocotyledons)..... 1010

Dicotyledons

- 2 Flowers with at least one perianth whorl (1).....3
- 2: Flowers lacking perianth..... 992
- 3 Either one or both perianth whorls fused into a cap (2)4
- 3: Perianth segments not fused into a cap..... 10
- 4 Leaves invested with peltate scales (3)..... **Himantandraceae**
- 4: Leaves glabrous or, if indumentum present, not of peltate scales5
- 5 Leaves gland-dotted (4:). **Myrtaceae**
- 5: Leaves not gland-dotted.....6
- 6 Leaf base sheathing (5:). **Epacridaceae**
- 6: Leaf base not sheathing7
- 7 Leaves exstipulate (6:). **Eupomatiaceae**
- 7: Leaves stipulate8
- 8 Tendrils present (7:). **Vitaceae**
- 8: Tendrils absent9
- 9 Gynophore present; leaves usually alternate (8:). **Capparaceae**
- 9: Gynophore absent; leaves opposite **Eucryphiaceae**
- 10 Perianth segments more than 6 (counting sepals and petals if both present) or calyx cuplike and unlobed, with 5 or more petals (3:) 11
- 10: Perianth segments 6 or fewer (counting sepals and petals if both present, but not counting the bracts, scales or plumes of the pappus in Asteraceae) 693
- 11 Corolla segments (or perianth segments) free (10)..... 12
- 11: Corolla segments (or perianth segments) united 459
- 12 All or most flowers unisexual (11) 13
- 12: Most flowers bisexual 48

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Key to families

13	Ovary superior (12)	14
13:	Ovary inferior.....	44
14	Floating aquatics; leaves whorled, much divided (13)	Ceratophyllaceae
14:	Land plants; leaves alternate, opposite, or absent	15
15	Gynoecium apocarpous (14:)	16
15:	Gynoecium syncarpous or carpel 1	19
16	Climbers or ramblers (15).....	17
16:	Non-climbers, not spreading	18
17	Climbers; leaves opposite (16).....	Rutaceae
17:	Climbers (or plants spreading over the ground); leaves alternate	Menispermaceae
18	Leaves gland-dotted (16:).....	Rutaceae
18:	Leaves not gland-dotted.....	Simaroubaceae
19	Leaves compound (15:)	20
19:	Leaves simple or absent.....	26
20	Petals 4 (19)	21
20:	Petals 5	23
21	Leaves gland-dotted (20).....	Rutaceae
21:	Leaves not gland-dotted.....	22
22	Stamens 3–5 in male flowers (21:).....	Simaroubaceae
22:	Stamens usually 8 in male flowers	Anacardiaceae
23	Stamens 5 in male flowers (20:).....	Anacardiaceae
23:	Stamens more than 5 in male flowers	24
24	Stamens usually 8; style 1; stigma entire or lobed (23:).....	Sapindaceae
24:	Stamens 10; styles or stigmas more than 1	25
25	Ovary entire; stigmas glabrous (24:).....	Anacardiaceae
25:	Ovary lobed; stigmas plumose	Simaroubaceae
26	Leaves opposite (19:)	27
26:	Leaves alternate, clustered, or absent	28
27	Flowers strictly unisexual; shrubs or trees (26)	Euphorbiaceae
27:	Flowers polygamous; trees usually with yellow sap.....	Clusiaceae
28	Climbers with tendrils (26:).....	Passifloraceae
28:	Tendrils absent	29
29	Twiners or lianes (28:)	30
29:	Shrubs, trees or herbs, sometimes scrambling	31
30	Stipules absent; disc absent; petals smaller than sepals, entire, sometimes absent (29)	Menispermaceae
30:	Stipules present; disc present; petals as long as or longer than sepals, emarginate	Dichapetalaceae

31	Latex present (29:)	Euphorbiaceae
31:	Latex absent	32
32	Styles more than 3 (31:)	Malvaceae
32:	Styles 1–3 or stigmas sessile	33
33	Styles 3, distinct, simple or branched (32:)	Euphorbiaceae
33:	Style 1 or absent (stigma sessile)	34
34	Style 1 with 2 or more stigmas (33:)	35
34:	Style and stigma 1 or stigma sessile	39
35	Male flowers with staminodes (34)	Tiliaceae
35:	Male flowers without staminodes	36
36	Ovary 1-locular (35:)	Flacourtiaceae
36:	Ovary more than 1-locular	37
37	Fruit a succulent drupe; leaves succulent; seeds non-endospermic (36:)	Zygophyllaceae
37:	Fruit dry; leaves not succulent though often thick; seeds endospermic	38
38	Carpels dry, falling entire; stamens fused into a column (37:)	Malvaceae
38:	Carpels dry, dehiscent; stamens free or solitary	Euphorbiaceae
39	Calyx segments free (34:)	Euphorbiaceae
39:	Calyx segments united or calyx minute	40
40	Ovary 1-locular (39:)	41
40:	Ovary more than 1-locular	43
41	Ovary stipitate (40:)	Capparaceae
41:	Ovary sessile	42
42	Leaves stipulate (41:)	Malvaceae
42:	Leaves exstipulate	Icacinaeae
43	Leaves not succulent; trees; flowers usually unisexual, dioecious; seeds endospermic (40:)	Aquifoliaceae
43:	Leaves succulent; shrubs, subshrubs or herbs; flowers bisexual; seeds non-endospermic	Zygophyllaceae
44	Climber with tendrils (13:)	Cucurbitaceae
44:	Non-climbers	45
45	Herbs or undershrubs (44:)	46
45:	Trees	47
46	Petals 5 (45:)	Apiaceae
46:	Petals 0, 2 or 4	Haloragaceae
47	Style 1 (45:)	Hernandiaceae
47:	Styles 2 or more	Datisceaeae
48	Gynoecium apocarpous (12:)	49
48:	Gynoecium syncarpous or carpel 1	88

Key to families

49	Flowers perigynous (48).....	50
49:	Flowers hypogynous.....	53
50	Leaves alternate or radical (49).....	51
50:	Leaves opposite.....	52
51	Sepals 5; stamens numerous (50).....	Rosaceae
51:	Sepals 4; stamens 4 or 8.....	Crassulaceae
52	Perianth segments numerous; carpels numerous (50:.).....	Idiospermaceae
52:	Sepals 4 or 5; petals 4 or 5; carpels 4.....	Crassulaceae
53	Stamens numerous (49:.).....	54
53:	Stamens 10 or fewer.....	66
54	Leaves peltate (53).....	55
54:	Leaves not peltate.....	56
55	Carpels embedded in receptacle (54).....	Nelumbonaceae
55:	Carpels not embedded in receptacle.....	Cabombaceae
56	Style 1 with 3–5 stigmas (54:.).....	Ochnaceae
56:	Styles (or stigmas when styles much reduced) as many as carpels.....	57
57	Climbers (56:.).....	58
57:	Non-climbers.....	60
58	Perianth of tepals; perianth segments 10–14 (57).....	Austrobaileyaceae
58:	Perianth of distinct sepals and petals.....	59
59	Sepals 3; petals 6 (58:.).....	Annonaceae
59:	Sepals 4 or 5; petals 3–5.....	Dilleniaceae
60	Perianth segments all petaloid (57:.).....	61
60:	One or more whorls of perianth sepaloid.....	62
61	Herbs (60).....	Ranunculaceae
61:	Shrubs or trees.....	Magnoliaceae
62	Leaves with peltate indumentum; perianth spiral (60:.).....	Himantandraceae
62:	Indumentum, if present, not peltate.....	63
63	Perianth in 3 whorls of 3 tepals (62:.).....	Annonaceae
63:	Sepals 5; petals 5.....	64
64	Leaves bipinnate; trees (63:.).....	Mimosaceae
64:	Leaves simple, entire to incised.....	65
65	Herbs; leaves usually much incised (64:.).....	Ranunculaceae
65:	Trees, shrubs, or undershrubs; leaves entire to distinctly incised.....	Dilleniaceae
66	Style 1; stigmas 1 or more (53:.).....	67
66:	Styles (or stigmas when styles much reduced) free from one another, as many as there are carpels.....	72

67	Leaves peltate (66)	Tropaeolaceae
67:	Leaves not peltate.....	68
68	Leaves gland-dotted (67:).....	Rutaceae
68:	Leaves not gland-dotted.....	69
69	Leaves alternate (68:).....	70
69:	Leaves opposite.....	71
70	Stigma simple (69)	Ochnaceae
70:	Stigmas 3 or more.....	Simaroubaceae
71	Flowers 4-merous (69:)	Rutaceae
71:	Flowers 5-merous.....	Malpighiaceae
72	Leaves compound (66:)	73
72:	Leaves simple or absent.....	74
73	Leaves gland-dotted (72)	Rutaceae
73:	Leaves not gland-dotted.....	Simaroubaceae
74	Leaves opposite (72:)	75
74:	Leaves alternate, radical, clustered, or absent.....	77
75	Sepals 4; petals 4 (74)	Crassulaceae
75:	Sepals 5; petals 5.....	76
76	Petals sessile or with short claws; leaves fleshy (75:).....	Crassulaceae
76:	Petals with long claws; leaves not fleshy.....	Malpighiaceae
77	Flowers 3-merous (usually sepals 6, petals 6, carpels 6 or 3) (74:)	Menispermaceae
77:	Flowers 4- or 5-merous.....	78
78	Flowers 4-merous (77:)	79
78:	Flowers 5-merous	80
79	Leaves fleshy; seeds lacking endosperm (78)	Crassulaceae
79:	Leaves not fleshy; seeds endospermic	Saxifragaceae
80	Stamens united into one or more groups (78:).....	81
80:	Stamens free.....	82
81	Carpels 2 (80).....	Dilleniaceae
81:	Carpels 3.....	Malpighiaceae
82	Leaves not expanded at time of flowering (80:).....	Anacardiaceae
82:	Leaves present at time of flowering.....	83
83	Leaves lobed or much dissected (82:)	Ranunculaceae
83:	Leaves entire	84
84	Carpels more than 5 (83:)	Ranunculaceae
84:	Carpels 5 or fewer	85

Key to families

85 Leaves fleshy (84:)	.....	Crassulaceae
85: Leaves not fleshy	.....	86
86 Carpels usually 2 or 3 (85:)	.....	Dilleniaceae
86: Carpels 5	.....	87
87 Leaves stipulate; petals white (86:)	.....	Simaroubaceae
87: Leaves exstipulate; petals yellow	.....	Surianaceae
88 Petals 2–4 (48:)	.....	89
88: Petals 5 or more, or whole perianth petaloid or sepaloid	.....	91
89 Petals 2 (88:)	.....	Polygalaceae
89: Petals 3 or 4	.....	90
90 Petals 3 (89:)	.....	92
90: Petals 4	.....	94
91 Petals 5 (88:)	.....	176
91: Petals more than 5, or whole perianth petaloid or sepaloid, sometimes in 1 whorl	.....	416
92 Leaves compound (90:)	.....	Caesalpiniaceae
92: Leaves simple	.....	93
93 Sepals 5 (92:)	.....	Polygalaceae
93: Sepals 4	.....	Zygophyllaceae
94 Sepals 5 or 6 (90:)	.....	95
94: Sepals 4, rarely 2 or 3	.....	96
95 Sepals 5 (94)	.....	167
95: Sepals 6	.....	174
96 Ovary superior (94:)	.....	97
96: Ovary inferior	.....	151
97 Leaves radical or alternate (96:)	.....	98
97: Leaves opposite or verticillate	.....	125
98 Styles more than 1, quite free from one another (97:)	.....	Droseraceae
98: Style 1, with 1 or more stigmas, or stigma sessile	.....	99
99 Stamens 2–4 (98:)	.....	100
99: Stamens 6 or more	.....	109
100 Stamens 2 or 3 (99)	.....	101
100: Stamens 4 or 5	.....	103
101 Stamens 3 (100:)	.....	Caesalpiniaceae
101: Stamens 2	.....	102
102 Leaves simple, entire or much divided (101:)	.....	Brassicaceae
102: Leaves compound	.....	Caesalpiniaceae

103	Stamens opposite petals (<i>100:</i>)	104
103:	Stamens alternating with petals.....	105
104	Placentation basal or free-central (<i>103:</i>).....	Myrsinaceae
104:	Placentation parietal	Brassicaceae
105	Climbers with leaf-opposed tendrils (<i>103:</i>)	Vitaceae
105:	Plants without tendrils.....	106
106	Leaves compound (<i>105:</i>)	Capparaceae
106:	Leaves simple or absent.....	107
107	Herbs (<i>106:</i>).....	Brassicaceae
107:	Shrubs or trees	108
108	Leaves with short, pointed lobes (<i>107:</i>)	Aquifoliaceae
108:	Leaves quite entire	Celastraceae
109	Stamens 6–8 (<i>99:</i>)	110
109:	Stamens 10 or more	121
110	Stamens 6 (<i>109:</i>).....	111
110:	Stamens 7 or 8.....	113
111	Stamens tetradynamous; leaves simple (<i>110:</i>).....	Brassicaceae
111:	Stamens not tetradynamous.....	112
112	Leaves apparently cuneate and 2-lobed, in connate pairs in upper stem (<i>111:</i>).....	Zygophyllaceae
112:	Leaves palmately dissected, alternate	Capparaceae
113	Stamens united (<i>110:</i>).....	Meliaceae
113:	Stamens free.....	114
114	Leaves simple or absent (<i>113:</i>)	115
114:	Leaves compound	117
115	Leaves dissected (<i>114:</i>).....	Sapindaceae
115:	Leaves entire or absent	116
116	Petals glabrous (<i>115:</i>).....	Tremandraceae
116:	Petals densely hairy inside.....	Olacaceae
117	Leaves 3-foliolate or palmate (<i>114:</i>)	118
117:	Leaves pinnate.....	120
118	Ovules numerous in each loculus (<i>117:</i>).....	Capparaceae
118:	Ovules 1 or 2 in each loculus.....	119
119	Ovules 1 in each loculus (<i>118:</i>)	Simaroubaceae
119:	Ovules 2 in each loculus	Burseraceae
120	Ovules 1 in each loculus (<i>117:</i>)	Sapindaceae
120:	Ovules 2 in each loculus	Burseraceae

Key to families

121	Flowers in heads or spikes; heads solitary or in racemes (<i>109:</i>).....	Mimosaceae
121:	Flowers not in heads or spikes.....	122
122	Ovary borne on long stalk (gynophore) (<i>121:</i>)	Capparaceae
122:	Ovary sessile	123
123	Ovary 1-locular (<i>122:</i>).....	Flacourtiaceae
123:	Ovary more than 1-locular	124
124	Anthers opening by longitudinal slits; fruit dry, breaking into cocci or mericarps (capsule in <i>Peganum</i>) (<i>123:</i>).....	Zygophyllaceae
124:	Anthers opening by terminal pores; fruit a drupe or capsule	Elaeocarpaceae
125	Leaves large, palmately lobed (<i>97:</i>)	Aceraceae
125:	Leaves otherwise	126
126	Stamens 2 or 4 (<i>125:</i>).....	127
126:	Stamens 5 or more	135
127	Stamens 2 (<i>126:</i>).....	128
127:	Stamens 4.....	129
128	Flowers in clusters, racemes, or panicles (<i>127</i>)	Oleaceae
128:	Flowers solitary in leaf axils	Lythraceae
129	Leaves gland-dotted (<i>127:</i>).....	130
129:	Leaves not gland-dotted.....	131
130	Style and stigma 1 (<i>129</i>).....	Rutaceae
130:	Styles or stigmas 4.....	Cunoniaceae
131	Stamens perigynous (<i>129:</i>)	132
131:	Stamens hypogynous	133
132	Anthers opening by pores; anther-connective with sickle-shaped appendages (<i>131</i>).....	Melastomataceae
132:	Anthers opening longitudinally; connective without appendages	Lythraceae
133	Styles 4 (<i>131:</i>).....	Elatinaceae
133:	Style 1.....	134
134	Trees, shrubs or climbers; leaves simple or scale-like (<i>133:</i>)	Celastraceae
134:	Annual herb; leaves 2-lobed	Zygophyllaceae
135	Stamens 5–8 (<i>126:</i>)	136
135:	Stamens 10 or numerous.....	148
136	Leaves simple or absent (<i>135:</i>).....	137
136:	Leaves compound	146
137	Leaves 2-lobed (<i>136:</i>).....	Zygophyllaceae
137:	Leaves entire, or with more than 2 lobes	138
138	Leaves gland-dotted (<i>137:</i>).....	Rutaceae
138:	Leaves not gland-dotted.....	139

139	Ovary half-inferior; margins of petals fringed with long hairs (138:)	Rhizophoraceae
139:	Ovary wholly superior; petals not fringed	140
140	Style and stigma 1 (139:)	141
140:	Styles or stigmas more than 1	145
141	Perianth hypogynous (140)	142
141:	Perianth perigynous	144
142	Leaves in whorls of 3 or 4 (141)	Tremandraceae
142:	Leaves in pairs, opposite	143
143	Fruits not winged; subshrubs, shrubs, or trees (142:)	Rutaceae
143:	Fruits winged; subshrubs	Zygophyllaceae
144	Leaves with 2 or more conspicuous longitudinal veins besides midrib (141:)	Melastomataceae
144:	Midrib only conspicuous longitudinal vein	Lythraceae
145	Leaves with revolute margins; style 1, with 3 branches (140:)	Frankeniaceae
145:	Leaf margins not revolute; styles 2 or 4	Cunoniaceae
146	Stamens united (136:)	Meliaceae
146:	Stamens free	147
147	Leaves gland-dotted, usually with several leaflets (146:)	Rutaceae
147:	Leaves not gland-dotted, with only 2 leaflets	Zygophyllaceae
148	Flowers hypogynous, polygamous (135:)	149
148:	Flowers perigynous	150
149	Stipules absent (148)	Clusiaceae
149:	Stipules present	Eucryphiaceae
150	Style and stigma 1 (148:)	Lythraceae
150:	Styles more than 1	Cunoniaceae
151	Leaves gland-dotted (96:)	Myrtaceae
151:	Leaves not gland-dotted	152
152	Stamens numerous (151:)	153
152:	Stamens 10 or fewer	154
153	Style and stigma 1 (152)	Lecythidaceae
153:	Style with 4 stigmas	Grossulariaceae
154	Leaves alternate or radical (152:)	155
154:	Leaves opposite or verticillate	161
155	Style 1, with 1 or more stigmas (154)	156
155:	Styles several, free	160
156	Aquatic herbs with alternate, rosetted floating leaves and opposite submerged leaves (155)	Trapaceae
156:	Trees, shrubs or herbs	157

Key to families

157 Stigmas 2 or 4 (<i>156:</i>).....	158
157: Stigma 1.....	159
158 Stigmas 2 (<i>157:</i>).....	Alangiaceae
158: Stigmas 4.....	Onagraceae
159 Ovary 1-locular (<i>157:</i>).....	Combretaceae
159: Ovary 4-locular.....	Onagraceae
160 Herbs; flowers very small (<i>155:</i>).....	Haloragaceae
160: Shrubs or trees; flowers greater than 6 mm in diameter.....	Grossulariaceae
161 Styles several, free (<i>154:</i>).....	Haloragaceae
161: Style 1, with 1 or more stigmas.....	162
162 Petals fringed with long hairs (<i>161:</i>).....	Rhizophoraceae
162: Petals not fringed.....	163
163 Stamens 4 (<i>162:</i>).....	164
163: Stamens more than 4, usually 8.....	165
164 Aquatic herbs (<i>163:</i>).....	Trapaceae
164: Shrubs.....	Grossulariaceae
165 Leaves with 2 or more longitudinal veins besides midrib (<i>163:</i>).....	Melastomataceae
165: Midrib the only longitudinal vein.....	166
166 Ovary 1-locular (<i>165:</i>).....	Melastomataceae
166: Ovary 4-locular.....	Onagraceae
167 Ovary 1- or 2-locular (<i>95:</i>).....	168
167: Ovary 3–5-locular.....	171
168 Ovary adnate to one side of calyx tube (<i>167:</i>).....	Chrysobalanaceae
168: Ovary free.....	169
169 Fruit indehiscent, globose (<i>168:</i>).....	Xanthophyllaceae
169: Fruit dehiscent, a legume or capsule.....	170
170 Fruit a legume (<i>169:</i>).....	Caesalpiniaceae
170: Fruit a capsule.....	Zygophyllaceae
171 Ovary usually 3-locular (<i>167:</i>).....	172
171: Ovary 4- or 5-locular.....	173
172 Style 1; ovary 3-locular (<i>171:</i>).....	Zygophyllaceae
172: Styles usually 2 or more (if style 1, then ovary 1-locular).....	Sapindaceae
173 Ovary 4-locular (<i>171:</i>).....	Elaeocarpaceae
173: Ovary 5-locular.....	Meliaceae
174 Ovary open at top, with sessile stigmas (<i>95:</i>).....	Resedaceae
174: Ovary not open at top.....	175

175 Herbs (174:)	Lythraceae
175: Small shrubs	Saxifragaceae
176 Sepals 2 or 3 (91)	177
176: Sepals 4 or more	186
177 Sepals 2 (176)	178
177: Sepals 3	182
178 Flowers zygomorphic (177)	Caesalpiniaceae
178: Flowers actinomorphic	179
179 Twiners (178:)	Basellaceae
179: Non-twiners	180
180 Shrubs or trees (179:)	Lecythidaceae
180: Herbs	181
181 Stamens 5 or fewer; perianth often scarious (180:)	Amaranthaceae
181: Stamens usually more than 5; perianth not scarious; leaves (and often stems) fleshy	Portulacaceae
182 Leaves compound (177:)	Caesalpiniaceae
182: Leaves simple or absent	183
183 Leaf venation palmate (182:)	Caesalpiniaceae
183: Leaf venation not palmate	184
184 Stamens 5 (183:)	Hamamelidaceae
184: Stamens 8 or more	185
185 Stamens 8 (184:)	Polygalaceae
185: Stamens numerous	Lecythidaceae
186 Sepals 4 (176:)	187
186: Sepals 5 or more, or calyx cup-like with indistinct lobes, or entire in bud	188
187 Stamens 8–10, free or united (186)	Caesalpiniaceae
187: Stamens numerous, united	Lecythidaceae
188 Ovary superior (186:)	189
188: Ovary inferior or semi-inferior	381
189 Style 1 with simple stigma, or stigma sessile (188)	190
189: Styles or stigmas more than 1	302
190 Leaves opposite or verticillate (rarely absent at flowering in some introduced deciduous species) (189)	191
190: Leaves alternate, radical, or absent	212
191 Leaves gland-dotted (190)	192
191: Leaves not gland-dotted	194
192 Leaves compound (191)	Rutaceae
192: Leaves simple	193

Key to families

193 Flowers hypogynous (<i>192:</i>)	Rutaceae
193: Flowers perigynous or epigynous.....	Myrtaceae
194 Leaves simple (<i>191:</i>)	195
194: Leaves compound	209
195 Leaves 2-lobed, ± succulent with obscure venation (<i>194</i>).....	Zygophyllaceae
195: Leaves not 2-lobed, with at least midrib apparent.....	196
196 Leaves with 2 or more conspicuous longitudinal veins besides midrib (<i>195:</i>)	Melastomataceae
.....	
196: Midrib only conspicuous longitudinal vein	197
197 Stamens 10 or fewer (<i>196:</i>).....	198
197: Stamens numerous.....	207
198 Flowers actinomorphic (<i>197</i>)	199
198: Flowers zygomorphic	205
199 Flowers perigynous (<i>198</i>).....	Lythraceae
199: Flowers not perigynous.....	200
200 Stamens 3 (<i>199:</i>)	Hippocrateaceae
200: Stamens 5 or more	201
201 Stamens 5 (<i>200:</i>)	Celastraceae
201: Stamens usually 10.....	202
202 Ovary half-inferior (<i>201:</i>).....	Rhizophoraceae
202: Ovary quite superior	203
203 Petals with narrow, pointed lobes (<i>202:</i>).....	Rhizophoraceae
203: Petals entire.....	204
204 Petals clawed; stamens unequal, usually united at base (<i>203:</i>).....	Malpighiaceae
204: Petals sessile, shorter than sepals.....	Rhizophoraceae
205 Stamens 5, united; anthers connate around ovary (<i>198:</i>).....	Violaceae
205: Stamens 10.....	206
206 Ovary 1-locular; ovules 2 or more (<i>205:</i>)	Fabaceae
206: Ovary 2- or 3-locular; 1 ovule in each locus.....	Malpighiaceae
207 Flowers perigynous (<i>197:</i>).....	Lythraceae
207: Flowers hypogynous.....	208
208 Ovary 1-locular (<i>207:</i>).....	Mimosaceae
208: Ovary 2 or more-locular	Elaeocarpaceae
209 Stamens 5 (<i>194:</i>)	Meliaceae
209: Stamens more than 5.....	210
210 Stamens united (<i>209:</i>).....	Fabaceae
210: Stamens free.....	211

211 Ovary 1-locular (210:)	Fabaceae
211: Ovary 2- or more-locular	Zygophyllaceae
212 Stamens 1–5 (190:)	213
212: Stamens 6 or more	219
213 Stamen 1 (212)	214
213: Stamens 2–5	215
214 Leaves deeply notched and palmately veined (213)	Caesalpiniaceae
214: Leaves entire and pinnately veined	Anacardiaceae
215 Stamens 2–4 (213:)	216
215: Stamens 5	221
216 Leaves simple (215)	217
216: Leaves pinnate or bipinnate	218
217 Leaf venation well-marked and palmate (216)	Caesalpiniaceae
217: Leaf venation inconspicuous, or leaves absent	Olacaceae
218 Stipules present; calyx oblique, of 5 segments; ovary 4- or 5-locular; fruit a capsule (216:)	Melanthaceae
218: Stipules absent; calyx not oblique, of 5 free sepals; ovary 1-locular; fruit a legume	Caesalpiniaceae
219 Stamens 10 or more (212:)	220
219: Stamens 6–9 (rarely 5–10)	254
220 Stamens 10 (219)	261
220: Stamens numerous	285
221 Leaves simple or absent (215:)	222
221: Leaves compound	245
222 Leaves bifid; venation palmate (221)	Caesalpiniaceae
222: Leaves not bifid	223
223 Herbs (222:)	224
223: Shrubs, trees or woody climbers	227
224 Twiners (223)	225
224: Plants \pm erect, not twining	226
225 Sap milky (224)	Cardiopteridaceae
225: Sap not milky	Pittosporaceae
226 Flowers actinomorphic (224:)	Byblidaceae
226: Flowers zygomorphic	Violaceae
227 Small shrubs; flowers zygomorphic (223:)	Violaceae
227: Shrubs, trees or woody climbers; flowers actinomorphic or nearly so	228
228 Climbers (227:)	229
228: Non-climbers, \pm erect	230

Key to families

229	Twiners (228).....	Pittosporaceae
229:	Climbers with leaf-opposed tendrils.....	Vitaceae
230	Stamens opposite petals or tepals (228:).....	231
230:	Stamens alternate with petals or tepals.....	233
231	Each stamen \pm enclosed by small hood-shaped petal (230).....	Rhamnaceae
231:	Stamens not enclosed by petals.....	232
232	Fruit dehiscent (a capsule, follicle, samara or schizocarp), usually many-seeded (1 seed in <i>Waltheria</i>); ovules 2 per carpel (231:).....	Sterculiaceae
232:	Fruit a 1-seeded drupe; ovule 1 per carpel.....	Opiliaceae
233	Leaves gland-dotted (230:).....	Rutaceae
233:	Leaves not gland-dotted.....	234
234	Base of calyx covered by several imbricate sepaloid bracteoles (233:).....	Epacridaceae
234:	Bracteoles absent or not covering base of calyx.....	235
235	Sepals free (234:).....	236
235:	Sepals united.....	240
236	Ovary 3- or 5-locular (235).....	237
236:	Ovary 1- or 2-locular.....	238
237	Ovary 3-locular (236).....	Celastraceae
237:	Ovary 5-locular.....	Grossulariaceae
238	Ovules 1 per loculus (236:).....	Corynocarpaceae
238:	Ovules 2–several per loculus.....	239
239	Ovary 1- or 2-locular; ovules few to many per loculus (238:).....	Pittosporaceae
239:	Ovary 1-locular; ovules 2.....	Icacinaceae
240	Ovules 1 per ovary (235:).....	Icacinaceae
240:	Ovules 2 or more per ovary.....	241
241	Ovary 1-locular (240:).....	242
241:	Ovary 2- or more-locular.....	243
242	Fruit 1-seeded (241).....	Icacinaceae
242:	Fruit with 2–numerous seeds.....	Proteaceae
243	Ovary subtended by nectar-secreting disc (241:).....	Celastraceae
243:	Ovary not subtended by nectar-secreting disc.....	244
244	Style 1 (243:).....	Pittosporaceae
244:	Styles 2 or more.....	Grossulariaceae
245	Climbers with leaf-opposed tendrils (221:).....	Vitaceae
245:	Non-climbers or, if climbing, tendrils not leaf-opposed or tendrils absent.....	246
246	Leaves gland-dotted (245:).....	Rutaceae
246:	Leaves not gland-dotted.....	247

247	Stamens 5, staminodes 5 (246:)	248
247:	Stamens 5, staminodes absent	250
248	Herbs; leaves 2-foliolate or pinnate; ovary with axile placentas; fruit usually with 2 or more seeds (247)	Zygophyllaceae
248:	Trees or woody climbers	249
249	Trees; leaves pinnate; ovary with 3 parietal placentas; fruit a long 3-angled capsule (248:)	Moringaceae
249:	Woody climbers; leaves imparipinnate; ovary with 2 collateral ovules; fruit 1-seeded	Connaraceae
250	Stamens free (247:)	251
250:	Stamens united	253
251	Ovary 1-locular; leaves bipinnate (250)	Mimosaceae
251:	Ovary 3–5-locular; leaves pinnate	252
252	Leaves exstipulate (251:)	Meliaceae
252:	Leaves stipulate	Zygophyllaceae
253	Leaves pinnate (250:)	Meliaceae
253:	Leaves bi- or tripinnate	Vitaceae
254	Stamens 9, united (219:)	Fabaceae
254:	Stamens free	255
255	Leaves simple (254:)	256
255:	Leaves compound	258
256	Style arising from base of ovary (255)	Rosaceae
256:	Style terminal	257
257	Fruit a legume (256:)	Caesalpiniaceae
257:	Fruit globose	Xanthophyllaceae
258	Ovary 1-locular, usually with more than 2 ovules (255:)	Caesalpiniaceae
258:	Ovary 2- or more-locular, with 1 or 2 ovules per loculus	259
259	Disc present; stamens inserted within disc (258:)	Sapindaceae
259:	Disc absent	260
260	Trees (259:)	Akaniaceae
260:	Herbs or shrubs	Zygophyllaceae
261	Flowers zygomorphic (220)	262
261:	Flowers actinomorphic or nearly so	263
262	Posterior petal enclosed by the remainder in bud, or absent (261)	Caesalpiniaceae
262:	Posterior petal enclosing the remainder in bud	Fabaceae
263	Stamens united (261:)	264
263:	Stamens free	269

Key to families

264 Climbers (263)	Connaraceae
264: Non-climbers.....	265
265 Leaves 1–3-pinnate (264:)	266
265: Leaves simple.....	267
266 Ovary 5-locular; leaves pinnate, bipinnate or tripinnate (265)	Meliaceae
266: Ovary 1-locular; leaves bipinnate.....	Mimosaceae
267 Staminal tube long and narrow, surrounding style (265:)	Meliaceae
267: Staminal tube short, open	268
268 Ovary free; stipules persistent (267:)	Sterculiaceae
268: Ovary adnate to one side of throat of calyx; stipules caducous	Chrysobalanaceae
269 Leaves simple or unifoliolate (263:)	270
269: Leaves compound.....	276
270 Leaves gland-dotted (269)	Rutaceae
270: Leaves not gland-dotted.....	271
271 Style inserted near base of ovary, hairy (270:)	Simaroubaceae
271: Style terminal	272
272 Ovary and back of petals covered with scales; flowers in heads or clusters at end of branchlets (271:)	Rutaceae
272: Not as above.....	273
273 Flowers perigynous; ovary enclosed in hypanthium; stamens borne on hypanthium, sometimes near base (272:).....	Lythraceae
273: Flowers hypogynous; ovary and stamens not as above.....	274
274 Ovary usually stipitate; ovules several; sepals united (273:).....	Caesalpinaceae
274: Ovary sessile; ovule 1 per locule.....	275
275 Fertile locule 1; stipules absent (274:)	Anacardiaceae
275: Locules 5; stipules present.....	Ochnaceae
276 Leaves gland-dotted (269:)	Rutaceae
276: Leaves not gland-dotted.....	277
277 Herbs (276:).....	Zygophyllaceae
277: Shrubs or trees	278
278 Leaves bipinnate (277:)	Mimosaceae
278: Leaves pinnate.....	279
279 Leaflets 2; venation palmate (278:).....	Caesalpinaceae
279: Leaflets more than 2 or, if 2, venation pinnate	280
280 Ovary 1-locular (279:).....	281
280: Ovary 2- or more-locular	283
281 Stamens unequal; anthers dehiscent by pores (280).....	Caesalpinaceae
281: Stamens equal	282

282	Ovule 1 (281:)	Anacardiaceae
282:	Ovules more than 1	Caesalpiaceae
283	Ovary 1- or 3-locular, with 1 ovule (rarely 2) per loculus (280:)	Sapindaceae
283:	Ovary 4- or 5-locular, with 2 ovules per loculus	284
284	Trees or large shrubs; fruit not angular (283:)	Burseraceae
284:	Small shrubs; fruit prominently angular	Zygophyllaceae
285	Leaves gland-dotted (220:)	286
285:	Leaves not gland-dotted	287
286	Flowers hypogynous (285)	Rutaceae
286:	Flowers perigynous or epigynous	Myrtaceae
287	Leaves simple, reduced to phyllodes, or absent (285:)	288
287:	Leaves compound	300
288	Stamens united into discrete groups (287)	289
288:	Stamens free or only slightly united at base	290
289	Stamens united into 5 or 10 groups (288)	Tiliaceae
289:	Stamens united into a single group	Bombacaceae
290	Flowers small, in globular heads or obloid or cylindrical spikes; stamens much exerted (288:)	Mimosaceae
290:	Flowers not as above; stamens usually not exerted	291
291	Flowers hypogynous (290:)	292
291:	Flowers perigynous	298
292	Leaves fleshy, entire; shrubs (291)	Zygophyllaceae
292:	Leaves not fleshy, entire or divided: shrubs trees or climbers	293
293	Small trees; leaf lamina palmately divided into 5 or 7 lobes (292:)	Bixaceae
293:	Shrubs, trees or climbers; leaf margins entire, pinnately toothed or lobed	294
294	Calyx caducous (293:)	Bixaceae
294:	Calyx not caducous	295
295	Anthers dehiscing by terminal pores or slits (294:)	Elaeocarpaceae
295:	Anthers dehiscing longitudinally	296
296	Ovary 2- or more-locular (295:)	Tiliaceae
296:	Ovary 1-locular	297
297	Petals yellow, large (296:)	Dilleniaceae
297:	Petals not yellow, small	Flacourtiaceae
298	Ovary adnate to one side of throat of calyx (291:)	Chrysobalanaceae
298:	Ovary free or completely adnate to calyx	299

Key to families

299 Stamens inserted with petals at rim of hypanthium; ovules 1 or 2 in the ovary (298:)	.....	Rosaceae
299: Stamens inserted on hypanthium below rim (sometimes almost at base); ovules usually numerous.....		Lythraceae
300 Leaves palmate (287:)	.....	Bixaceae
300: Leaves pinnate or bipinnate	.....	301
301 Petals valvate (300:)	.....	Mimosaceae
301: Petals imbricate	.....	Caesalpiniaceae
302 Leaves simple or absent (189:)	.....	303
302: Leaves compound	.....	368
303 Leaves opposite or verticillate (302)	.....	304
303: Leaves alternate, radical, or absent	.....	326
304 Stamens 10 or fewer (303)	.....	305
304: Stamens indefinite	.....	324
305 Styles or stigmas 5 (304)	.....	306
305: Styles or stigmas less than 5	.....	312
306 Leaves opposite (305)	.....	307
306: Leaves verticillate	.....	308
307 Leaves gland-dotted (306)	.....	Rutaceae
307: Leaves not gland-dotted	.....	309
308 Floating aquatic plants without roots (306:)	.....	Droseraceae
308: Plants not aquatic	.....	Caryophyllaceae
309 Styles 5, free (307:)	.....	310
309: Style 1, with 5 stigmas	.....	311
310 Ovary 1-locular (309)	.....	Caryophyllaceae
310: Ovary 2–5-locular	.....	Elatinaceae
311 Ovary 1-locular (309:)	.....	Caryophyllaceae
311: Ovary 3- or more-locular	.....	Geraniaceae
312 Leaves palmately lobed (305:)	.....	Aceraceae
312: Leaves otherwise	.....	313
313 Styles free (312:)	.....	314
313: Styles united; stigmas 2 or more	.....	318
314 Climbers or twiners (313)	.....	Malpighiaceae
314: Non-climbers, non-twiners	.....	315
315 Leaves gland-dotted (314:)	.....	Clusiaceae
315: Leaves not gland-dotted	.....	316
316 Mostly herbs; stems usually swollen at nodes (315:)	.....	Caryophyllaceae
316: Shrubs or trees; nodes not swollen	.....	317

- 317 Petals much more than 2 mm long, distinctly clawed (316:) **Malpighiaceae**
- 317: Petals scarcely 2 mm long, sessile or nearly so **Cunoniaceae**
- 318 Herbs, non-climbers, non-twiners (313:) **Caryophyllaceae**
- 318: Shrubs, trees, climbers or twiners 319
- 319 Stamens 3 (318:) **Hippocrateaceae**
- 319: Stamens 5 or more 320
- 320 Stamens 10 (319:) **Malpighiaceae**
- 320: Stamens 5 or 6 321
- 321 Stamens opposite to and enclosed in petals (320:) **Rhamnaceae**
- 321: Stamens opposite sepals 322
- 322 Petals clawed, the claws cohering in an angular tube (321:) **Frankeniaceae**
- 322: Petals sessile or if clawed, the claws free 323
- 323 Petals sessile; stamens 5 (322:) **Celastraceae**
- 323: Petals clawed; stamens usually more than 5 **Malpighiaceae**
- 324 Leaves in whorls of six (304:) **Cunoniaceae**
- 324: Leaves opposite 325
- 325 Juice resinous; stipules absent (324:) **Clusiaceae**
- 325: Juice not resinous; stipules present **Cistaceae**
- 326 Stamens united, often forming a conspicuous staminal tube (303:) 327
- 326: Stamens free or arising from margin of a small disc 339
- 327 Styles 2 or more, free (326) 328
- 327: Style 1, with 2 or more stigmas 333
- 328 Stamens 8 (327) **Aizoaceae**
- 328: Stamens 5, 10, or numerous 329
- 329 Climbers (328:) **Linaceae**
- 329: Non-climbers 330
- 330 Leaves often dentate or lobed, with stellate hairs (329:) 331
- 330: Leaves entire, glabrous 332
- 331 Stamens 15 or more, always united into a tube surrounding the ovary; anthers 1-celled; epicalyx often present (330) **Malvaceae**
- 331: Stamens 5, 10, 15 or 20–30, free or sometimes united; anthers 2-celled; epicalyx never present **Sterculiaceae**
- 332 Stamens 10 (330:) **Erythroxylaceae**
- 332: Stamens 4 or 5 **Linaceae**
- 333 Petals attached to base of staminal tube; staminal tube usually long; stamens usually indefinite (rarely 10 or fewer); stigmas 3–5; shrubs (327:) **Malvaceae**
- 333: Not as above 334

Key to families

334	Style branches (or stigmas) 2 or 3 (333:)	335
334:	Style branches (or stigmas) 5	336
335	Stamens numerous (334:)	Theaceae
335:	Stamens 10 or fewer	Linaceae
336	Stamens 5 (sometimes with 5 staminodes as well) (334:)	337
336:	Stamens 10 or more (staminodes if present 5 or less)	338
337	Stamens 5 usually with alternating staminodes; herbs or shrubs; leaves often with stellate hairs (336:)	Sterculiaceae
337:	Stamens 5; staminodes 5; glabrous herbs; leaves entire	Linaceae
338	Stamens 10, usually 3 or 4 without anthers (336:)	Geraniaceae
338:	Stamens 10 or indefinite; staminodes sometimes present; leaves often with stellate hairs	Sterculiaceae
339	Stamens 1–10 (326:)	340
339:	Stamens numerous	342
340	Stamens 5–10 (339:)	341
340:	Stamens 1–3	343
341	Stamens 5 (340:)	344
341:	Stamens 6–10	360
342	Flowers perigynous (339:)	Rosaceae
342:	Flowers hypogynous	366
343	Flowers hypogynous (340:)	Tiliaceae
343:	Flowers epigynous	Donatiaceae
344	Climbers with axillary tendrils (341:)	345
344:	Non-climbers, or climbers without axillary tendrils	346
345	Corona present within corolla (344:)	Passifloraceae
345:	No corona present	Plumbaginaceae
346	Styles 2 or more, free (344:)	347
346:	Style 1, with 2 or more stigmas	352
347	Stamens opposite petals (346:)	348
347:	Stamens alternating with petals	349
348	Styles 5 (347:)	Plumbaginaceae
348:	Styles less than 5	Rhamnaceae
349	Leaves with conspicuous stalked glandular hairs, especially on the adaxial (upper) surface (347:)	Droseraceae
349:	Leaves without glandular hairs, or if present, inconspicuous, sessile and confined to the abaxial (lower) surface only	350
350	Leaves small, 1–2 mm long, scale-like, appressed to stem (349:)	Tamaricaceae
350:	Leaves larger than 2 mm, with a ±distinct lamina; spreading	351

351	Staminodes present; fruit a capsule (350:)	.....	Linaceae
351:	Staminodes absent; fruit a drupe	.....	Dichapetalaceae
352	Leaves small, appressed to stem (346:)	.....	Tamaricaceae
352:	Leaves not appressed to stem	.....	353
353	Stamens opposite petals (352:)	.....	Rhamnaceae
353:	Stamens alternating with petals	.....	354
354	Herbs (353:)	.....	355
354:	Shrubs or trees	.....	357
355	Stamens 5; staminodes 5 (354)	.....	Geraniaceae
355:	Stamens 5; staminodes absent	.....	356
356	Fruit a schizocarp (355:)	.....	Stackhousiaceae
356:	Fruit a capsule	.....	Saxifragaceae
357	Flowers perigynous or epigynous (354:)	.....	Saxifragaceae
357:	Flowers hypogynous	.....	358
358	Ovary 1-locular (357:)	.....	Icacinaceae
358:	Ovary 2- or more-locular	.....	359
359	Hypogynous disc present (358:)	.....	Dichapetalaceae
359:	Hypogynous disc absent	.....	Grossulariaceae
360	Leaves peltate (341:)	.....	Tropaeolaceae
360:	Leaves not peltate	.....	361
361	Stamens 8, 6 of them attached to base of corolla (360:)	.....	Polygalaceae
361:	Stamens all hypogynous or perigynous	.....	362
362	Stamens 7–10; if 10, some without anthers (361:)	.....	Geraniaceae
362:	Stamens 10, all with anthers	.....	363
363	Style 1, with 2 or more stigmas (362:)	.....	364
363:	Styles several, free	.....	365
364	Flowers hypogynous; sepals free (363)	.....	Geraniaceae
364:	Flowers perigynous or epigynous; sepals united	.....	Saxifragaceae
365	Herbs (363:)	.....	Saxifragaceae
365:	Shrubs or trees	.....	Anacardiaceae
366	Sepals imbricate (342:)	.....	Actinidiaceae
366:	Sepals valvate or united	.....	367
367	Petals deeply incised (366:)	.....	Elaeocarpaceae
367:	Petals entire	.....	Tiliaceae
368	Leaves alternate or radical (302:)	.....	369
368:	Leaves opposite	.....	378

Key to families

369 Styles or sessile stigmas, free (368)	370
369: Style 1, with 2 or more stigmas.....	373
370 Herbs (369)	371
370: Shrubs or trees	372
371 Stamens 5 (370).....	Droseraceae
371: Stamens 10	Oxalidaceae
372 Styles 2; leaflets 2, occasionally 1 (370:).....	Sapindaceae
372: Styles more than 2, or if 2 the leaflets more than 2.....	Anacardiaceae
373 Stamens 3; staminodes 2–5; style petaloid (369:).....	Caesalpiniaceae
373: Stamens 5 or more; style not petaloid	374
374 Stamens 5, with or without an additional 5 staminodes (373:).....	375
374: Stamens more than 5 (if numerous, some often staminodal).....	376
375 Stamens 5; staminodes absent (374).....	Anacardiaceae
375: Stamens 5, alternating with 5 usually scale-like staminodes	Geraniaceae
376 Stamens 6–9; stigmas not plumose (374:)	Sapindaceae
376: Stamens 10–numerous; stigmas plumose or not.....	377
377 Stamens 10; staminodes absent; stigmas plumose (376:)	Simaroubaceae
377: Stamens numerous, some often staminodal; stigmas not plumose	Bombacaceae
378 Leaves with 3 leaflets (368:).....	Cunoniaceae
378: Leaves with more than 3 leaflets	379
379 Trees (378:).....	Cunoniaceae
379: Herbs or small shrubs	380
380 Herbs; style simple with 1–5 sessile stigmas (379:).....	Zygophyllaceae
380: Herbs or small shrubs; style with 5 short stigmatic branches	Geraniaceae
381 Stamens 5 (188:)	382
381: Stamens more than 5.....	394
382 Stamens opposite petals (381).....	383
382: Stamens alternating with petals.....	386
383 Parasitic shrubs (mistletoes) (382)	Loranthaceae
383: Plants not parasitic	384
384 Leaves gland-dotted (383:).....	Myrtaceae
384: Leaves not gland-dotted.....	385
385 Stamens attached to petals at their bases (384:).....	Alangiaceae
385: Stamens free from petals.....	Rhamnaceae
386 Leaves gland-dotted (382:).....	Myrtaceae
386: Leaves not gland-dotted.....	387

387 Herbs, non-climbing, non-twining (386:)	388
387: Shrubs or trees, sometimes climbing or twining	389
388 Flowers in umbels or heads; styles or stigmas 2 (387)	Apiaceae
388: Flowers not in umbels or heads; style and stigma 1	Onagraceae
389 Flowers not in umbels (387:)	390
389: Flowers in umbels	393
390 Leaves compound (389)	Araliaceae
390: Leaves simple	391
391 Indumentum of simple or glandular hairs (390:)	Grossulariaceae
391: Indumentum of stellate hairs	392
392 Flowers in subumbellate clusters (391:)	Araliaceae
392: Flowers in elongated spikes	Hamamelidaceae
393 Fruit a schizocarp, separating into 2 flattened mericarps when mature (389:)	Apiaceae
393: Fruit a berry or drupe	Araliaceae
394 Leaves gland-dotted (381:)	395
394: Leaves not gland-dotted	398
395 Stamens numerous (394)	Myrtaceae
395: Stamens 10 or fewer	396
396 Stamens 10, alternating with staminodes (395:)	Myrtaceae
396: Stamens 10 or fewer; staminodes absent	397
397 Ovary 1-locular; ovules pendulous (396:)	Combretaceae
397: Ovary 2- or more-locular, sometimes 1-locular and then ovules axile or rarely parietal...	Myrtaceae
398 Leaves alternate, radical, or absent (394:)	399
398: Leaves opposite	407
399 Leaves compound (398)	400
399: Leaves simple	401
400 Stamens 2 or 3 opposite each petal (399)	Flacourtiaceae
400: Stamens indefinite, not regularly opposite petals	Rosaceae
401 Styles or stigmas more than 1 (399:)	402
401: Style and stigma 1	404
402 Stamens 6, attached to petals (401)	Alangiaceae
402: Stamens 10 or more, free from petals	403
403 Stamens 10 (402:)	Anacardiaceae
403: Stamens indefinite	Rosaceae
404 Stamens indefinite (401:)	Rosaceae
404: Stamens 10 or fewer	405

Key to families

405 Herbs (404:)	Onagraceae
405: Shrubs (sometimes climbing) or trees	406
406 Ovary 1-locular (405:)	Combretaceae
406: Ovary 2- or more-locular	Grossulariaceae
407 Leaves simple or absent (398:)	408
407: Leaves compound	415
408 Leaves with several conspicuous longitudinal veins (407)	Melastomataceae
408: Midrib the only conspicuous longitudinal vein	409
409 Stamens indefinite (408:)	Punicaceae
409: Stamens usually 10, rarely up to 13	410
410 Style 1; stigmas 1 or 2 (409:)	411
410: Styles 3	414
411 Leaves unequal, one of each pair much larger than other; anthers with conspicuous appendages (410)	Melastomataceae
411: Leaves of each pair equal; anthers without appendages	412
412 Ovary 1-locular (411:)	Combretaceae
412: Ovary 2- or more-locular	413
413 Trees of sea-shores or salt creeks (412:)	Rhizophoraceae
413: Plants not growing in salt water	Saxifragaceae
414 Petals sessile or with very short claws (410:)	Saxifragaceae
414: Petals with slender claws	Malpighiaceae
415 Leaves petiolate (407:)	Cunoniaceae
415: Leaves sessile	Saxifragaceae
416 Flowers with 1 or more long spurs (91:)	Ranunculaceae
416: Flowers lacking spurs	417
417 Sepals 2 (416:)	418
417: Sepals more than 2, or whole perianth petaloid or sepaloid	419
418 Style short or absent; stigmas usually confluent (417)	Papaveraceae
418: Styles several, free, or style 1 with several free stigmas	Portulacaceae
419 Ovary superior (417:)	420
419: Ovary inferior	440
420 Aquatic herbs with floating or submerged leaves (419)	Nymphaeaceae
420: Herbs (not aquatic), shrubs, or trees	421
421 Leaves alternate (420:)	422
421: Leaves opposite or verticillate	436
422 Climbers (421)	423
422: Non-climbers	425

423	Tendrill climbers (422).....	Passifloraceae
423:	Not tendrill climbers.....	424
424	Branches spiny (423:).....	Cactaceae
424:	Branches not spiny.....	Menispermaceae
425	One perfect stamen (much longer than the others) and usually 4 or more imperfect stamens (422:).....	Anacardiaceae
425:	Perfect stamens 5 or more.....	426
426	Leaves simple or absent (425:).....	427
426:	Leaves compound.....	435
427	Flowers perigynous (426).....	428
427:	Flowers hypogynous.....	429
428	Stamens hypogynous or inserted low in hypanthium (427).....	Lythraceae
428:	Stamens inserted on rim of hypanthium.....	Rosaceae
429	Herbs (427:).....	430
429:	Shrubs or trees.....	431
430	Ovary open at top, with sessile stigmas (429).....	Resedaceae
430:	Ovary closed; style present.....	Amaranthaceae
431	Stamens 6–9 (429:).....	432
431:	Stamens 10 or numerous.....	433
432	Plants spiny (431).....	Berberidaceae
432:	Plants without spines.....	Flacourtiaceae
433	Perianth segments 3 + 3 + 3; styles numerous (431:).....	Magnoliaceae
433:	Sepals 5 or more; styles or stigmas 5 or fewer.....	434
434	Bracteoles present, merging into sepals (433:).....	Theaceae
434:	Bracteoles absent or small.....	Flacourtiaceae
435	Stamens 6 (426:).....	Berberidaceae
435:	Stamens 10.....	Mimosaceae
436	Leaves compound, with 3 leaflets (each pair looking like a whorl of 6 leaves) (421:).....	Cunoniaceae
436:	Leaves simple.....	437
437	Ovary 10–15-locular (436:).....	Sonneratiaceae
437:	Ovary 3–6-locular.....	438
438	Leaves with 5–7 conspicuous longitudinal veins (437:).....	Melastomataceae
438:	Midrib the only conspicuous longitudinal vein.....	439
439	Stamens inserted on the hypanthium; anthers opening longitudinally (438:).....	Lythraceae
439:	Stamens at base of hypanthium; anthers opening by terminal pores.....	Melastomataceae
440	Aquatic herbs (419:).....	Nymphaeaceae
440:	Herbs (not aquatic), shrubs, or trees.....	441

Key to families

441	Leaves absent, their function taken over by fleshy photosynthetic stems (440:)	.....	Cactaceae
441:	Leaves present	.....	442
442	Leaves alternate or clustered (441:)	.....	443
442:	Leaves opposite	.....	452
443	Branches spiny (442)	.....	444
443:	Branches without spines	.....	445
444	Plants fleshy, leafless (443)	.....	Cactaceae
444:	Plants woody, with leaves	.....	Punicaceae
445	Plants parasitic (mistletoes) (443:)	.....	Loranthaceae
445:	Plants not parasitic	.....	446
446	Leaves fleshy (445:)	.....	Aizoaceae
446:	Leaves not fleshy	.....	447
447	Leaves palmate (446:)	.....	Araliaceae
447:	Leaves simple	.....	448
448	Stamens (plus staminodes if present) indefinite (447:)	.....	449
448:	Stamens less than 10	.....	450
449	Style 1; stigma 1 (448)	.....	Punicaceae
449:	Stigmas indefinite, sessile on flat surface of ovary	.....	Eupomatiaceae
450	Stigma 1, sessile (448:)	.....	Combretaceae
450:	Distinct style or styles present	.....	451
451	Style 1; stigmas 2 (450:)	.....	Alangiaceae
451:	Styles or stigmas 3–5	.....	Flacourtiaceae
452	Leaves fleshy; stigmas 5 (442:)	.....	Aizoaceae
452:	Leaves not fleshy; stigmas 1 or 2	.....	453
453	Petals absent (452:)	.....	454
453:	Petals present	.....	455
454	Leaves gland-dotted (453)	.....	Myrtaceae
454:	Leaves not gland-dotted	.....	Sonneratiaceae
455	Leaves with 5–7 conspicuous longitudinal veins (453:)	.....	Melastomataceae
455:	Midrib the only conspicuous longitudinal vein	.....	456
456	Sepals and petals each numerous (455:)	.....	Rhizophoraceae
456:	Sepals and petals each less than 10	.....	457
457	Stamens 20 or more (456:)	.....	Punicaceae
457:	Stamens less than 20	.....	458
458	Ovary 1-locular, with c. 10 ovules (457:)	.....	Combretaceae
458:	Ovary 2–5-locular, with 1 or 2 ovules per loculus	.....	Rhizophoraceae

459	Flowers unisexual (11:)	460
459:	Flowers mostly bisexual	473
460	Leaves opposite (459)	461
460:	Leaves alternate	464
461	Ovary inferior (460)	Rubiaceae
461:	Ovary superior	462
462	Gynoecium apocarpous (461:)	Monimiaceae
462:	Gynoecium syncarpous or carpel 1	463
463	Fruit a berry (462:)	Theaceae
463:	Fruit of 1–4 nutlets	Lamiaceae
464	Perianth segments in 1 whorl (460:)	465
464:	Perianth segments in 2 whorls	467
465	Ovary inferior (464)	Araliaceae
465:	Ovary superior	466
466	Stamens 6 or more in regular series around a disc-like axis; perianth shallow, cup-shaped, entire to slightly lobed (465:)	Gyrostemonaceae
466:	Stamens 1–many, not arranged as above; sepals evidently lobed	Euphorbiaceae
467	Sepals 4; petals 4 (464:)	468
467:	Sepals and petals each 5 or more	469
468	Climbers (467)	Menispermaceae
468:	Non-climbers	Ebenaceae
469	Ovary superior (467:)	470
469:	Ovary inferior	472
470	Stamens usually 10 in male flowers (469)	Ebenaceae
470:	Stamens 5 in male flowers	471
471	Fruit a capsule (470:)	Solanaceae
471:	Fruit a nut or drupe	Olivaceae
472	Placentation parietal (469:)	Cucurbitaceae
472:	Placentation axile	Campanulaceae
473	Ovary superior (459:)	474
473:	Ovary inferior or half-inferior	660
474	Fertile stamens 2–4 (sometimes with additional staminodes) (473)	475
474:	Fertile stamens 5 or more (sometimes with additional staminodes)	477
475	Stamens 3 or 4 (474)	476
475:	Stamens 2	478
476	Stamens 3 (475)	Olivaceae
476:	Stamens 4 (sometimes with additional staminodes)	498

Key to families

477 Stamens 5 (474:)	556
477: Stamens more than 5	642
478 Ovary divided into (usually 4) free or nearly free segments (475:)	Lamiaceae
478: Ovary entire or slightly lobed	479
479 Flowers actinomorphic (478:)	480
479: Flowers zygomorphic (sometimes only slightly so)	489
480 Leaves compound (479:)	481
480: Leaves simple or absent	482
481 Sepals 4 (480)	Oleaceae
481: Sepals 5	Verbenaceae
482 Corolla lobes 4 (480:)	Oleaceae
482: Corolla lobes 5 or more	483
483 Corolla lobes more than 5 (482:)	Oleaceae
483: Corolla lobes 5	484
484 Herbs (483:)	Scrophulariaceae
484: Shrubs, undershrubs or climbers	485
485 Climbers (484:)	Oleaceae
485: Shrubs or undershrubs	486
486 Flowers in long terminal spikes (485:)	Verbenaceae
486: Flowers not in spikes	487
487 Style deeply divided into 2 branches (486:)	Verbenaceae
487: Style minutely notched at top	488
488 Corolla lobes 4 (487:)	Oleaceae
488: Corolla lobes 5	Verbenaceae
489 Bracteoles enclosing calyx (479:)	Acanthaceae
489: Bracteoles absent or small	490
490 Calyx divided into 2 lobes or segments (489:)	491
490: Calyx divided into more than 2 lobes or segments	492
491 Leaves opposite (490:)	Verbenaceae
491: Leaves, if present, alternate or radical	Lentibulariaceae
492 Leaves radical or alternate (490:)	493
492: Leaves opposite	494
493 Ovary 1-locular; placentation parietal (492:)	Gesneriaceae
493: Ovary 2-locular; placentation axile	Solanaceae
494 Leaves with viscid hairs (492:)	495
494: Leaves glabrous or hairs, if present, not viscid	496

495 Annual or perennial herbs (494)	Pedaliaceae
495: Shrubs or subshrubs	Verbenaceae
496 Ovary 1-locular (494:).....	Gesneriaceae
496: Ovary 2- or more-locular	497
497 Seeds flattened, 2 or 4, or up to 20 per capsule, seated on distinct hooks which persist after seed dispersal; in dried specimens (except <i>Acanthus</i>) all green parts with cystoliths (raised white streaks or dots) visible under 10× magnification (496:).....	Acanthaceae
497: Seeds not flattened, numerous, not seated on distinct hooks; cystoliths lacking	Scrophulariaceae
498 Ovary apocarpous (476:)	Monimiaceae
498: Ovary syncarpous or carpel 1	499
499 Flowers actinomorphic or nearly so (498:).....	500
499: Flowers zygomorphic	533
500 Leaves opposite, verticillate or radical (499).....	501
500: Leaves alternate or absent in mature plants	503
501 Leaves radical (500)	502
501: Leaves opposite or verticillate	516
502 Sepals 4, free; petals 4, united (501)	Plantaginaceae
502: Sepals 5, free; petals 5, united	Acanthaceae
503 Leaves alternate, bipinnate (500:).....	Mimosaceae
503: Leaves alternate or absent in mature plant, not bipinnate.....	504
504 Corolla lobes 3 (503:).....	Polygalaceae
504: Corolla lobes 4 or 5	505
505 Corolla lobes 4 (504:)	506
505: Corolla lobes 5	511
506 Stamens alternating with corolla lobes (505).....	507
506: Stamens opposite corolla lobes	510
507 Prostrate or erect plants, not twining (506)	508
507: Twining plants.....	509
508 Prostrate annuals (507).....	Boraginaceae
508: Erect perennials.....	Solanaceae
509 Leaves absent (507:).....	Cuscutaceae
509: Leaves present.....	Cardiopteridaceae
510 Ovary 1-locular with several ovules (506:)	Myrsinaceae
510: Ovary 2-locular with 1 ovule per loculus	Sapotaceae
511 Leaves absent (505:).....	Cuscutaceae
511: Leaves present.....	512

Key to families

512	Leaves with viscid hairs (511:)	513
512:	Leaves glabrous or hairs, if present, not viscid	514
513	Seeds endospermic (512)	Solanaceae
513:	Seeds non-endospermic	Pedaliaceae
514	Anthers connivent around the style (512:)	Solanaceae
514:	Anthers not connivent	515
515	Fruit a drupe (514:)	Myoporaceae
515:	Fruit a capsule or berry	Solanaceae
516	Ovary divided into (usually 4) separate segments (501:)	517
516:	Ovary entire or lobed	518
517	Style terminal (516)	Verbenaceae
517:	Style gynobasic, rarely terminal	Lamiaceae
518	Sepals 4 (516:)	519
518:	Sepals 5 or more, or calyx 2-lipped or truncate	526
519	Ovary 1-locular, with 2 parietal placentas (518)	Gentianaceae
519:	Ovary 2- or 4-locular	520
520	Ovary 4-locular (519:)	Verbenaceae
520:	Ovary 2-locular	521
521	Shrubs or trees (520:)	522
521:	Herbs	523
522	Staminode present in addition to fertile stamens (flowers bisexual) (521)	Verbenaceae
522:	Staminodes absent (except in female flowers of dioecious species)	Loganiaceae
523	Leaves in whorls, usually of 3 (521:)	Scrophulariaceae
523:	Leaves opposite	524
524	Ovary half-inferior (523:)	Rubiaceae
524:	Ovary quite superior	525
525	Capsule circumscissile (524:)	Plantaginaceae
525:	Capsule septicidal	Loganiaceae
526	Corolla 4-lobed (518:)	Verbenaceae
526:	Corolla 5-lobed	527
527	Leaves compound (526:)	528
527:	Leaves simple or absent	529
528	Seeds winged (527)	Bignoniaceae
528:	Seeds unwinged	Verbenaceae
529	Bracteoles large, ±enclosing calyx (527:)	Acanthaceae
529:	Bracteoles absent or not enclosing calyx	530

530 Placentas parietal (529:)	Gesneriaceae
530: Placentas axile	531
531 Ovary 4-locular, with 1 ovule per loculus (530:)	Verbenaceae
531: Ovary 2-locular	532
532 Herbs or small shrubs; ovary with several ovules per loculus (531:)	Scrophulariaceae
532: Trees; ovary with numerous ovules per loculus	Bignoniaceae
533 Leaves varying in type on one plant (499:)	534
533: Leaves all of one type, either simple, compound or reduced to scales	536
534 Leaves mostly in whorls of 3 (533)	Bignoniaceae
534: Leaves opposite, the upper ones sometimes becoming alternate	535
535 Upper leaves simple, lower leaves compound; ovary 2- or 4-locular with 1–many ovules per loculus (534:)	Pedaliaceae
535: Leaves very variable, simple or with 3–5 leaflets; ovary 2-locular with 2 ovules per loculus	Verbenaceae
536 Leaves all simple or reduced to scales (533:)	537
536: Leaves all compound	554
537 Leaves reduced to scales; plants without chlorophyll (536)	Orobanchaceae
537: Leaves not reduced to scales; plants green	538
538 Leaves all radical or all alternate (537:)	539
538: Leaves at least in part opposite or verticillate	545
539 Leaves radical (538)	Scrophulariaceae
539: Leaves all alternate	540
540 Calyx of 3 outer and 2 inner sepals, all free; petals 3, united (539:)	Polygalaceae
540: Calyx of 5 free or united sepals in 1 whorl; petals 5, united	541
541 Ovary 4-locular (540:)	Myoporaceae
541: Ovary 2-locular	542
542 Herbs (sometimes climbing) (541:)	543
542: Shrubs or small trees	544
543 Corolla actinomorphic or nearly so, usually spreading (542)	Solanaceae
543: Corolla 2-lipped	Scrophulariaceae
544 Stigmas 2; fruit a capsule or berry (542:)	Solanaceae
544: Stigma 1; fruit a drupe	Myoporaceae
545 Lower leaves opposite; upper leaves alternate (538:)	546
545: Leaves all opposite or verticillate	547
546 Ovary 2-locular (545)	Scrophulariaceae
546: Ovary 4-locular	Pedaliaceae

Key to families

547 Ovary divided into 4 nearly separate segments at maturity (545:)	Lamiaceae
547: Ovary simple or lobed	548
548 Ovary 4- or 8-locular (547:)	549
548: Ovary 1- or 2-locular	550
549 Ovary 4-locular with 1 ovule per loculus (548)	Verbenaceae
549: Ovary 8-locular with 1 ovule per loculus	Pedaliaceae
550 Ovary 1-locular; ovules numerous (548:)	Gesneriaceae
550: Ovary 2-locular; ovules 1–numerous	551
551 Seeds seated on distinct hooks which .....persist after seed dispersal; in dried specimens (except <i>Acanthus</i>) all green parts with cystoliths (raised white streaks or dots) visible under 10× magnification (550:)	Acanthaceae
551: Seeds not seated on hooks; cystoliths absent	552
552 Ovules 1 or 2 per loculus; undershrubs, shrubs or woody vines, rarely trees (551:)	Verbenaceae
552: Ovules 2 or more per loculus; herbs, shrubs or trees	553
553 Herbs or small shrubs; ovules 2 or more per loculus; seeds winged or unwinged (552:)	Scrophulariaceae
553: Small or large trees; ovules numerous; seeds with papery wings	Bignoniaceae
554 Climbers, usually woody (536:)	Bignoniaceae
554: Shrubs or trees	555
555 Fifth stamen represented by a staminode; seeds with papery wings (554:)	Bignoniaceae
555: Fifth stamen absent; seeds unwinged	Verbenaceae
556 Latex present (477:)	557
556: Latex absent	565
557 Leaves opposite, verticillate or absent (556)	558
557: Leaves alternate	560
558 Leaves absent (557:)	Asclepiadaceae
558: Leaves opposite or verticillate	559
559 Stamens lacking a coronal appendage; pollen grains single (558:)	Apocynaceae
559: Stamens mostly with a coronal appendage; pollen grains cohering in tetrads or pollinia	Asclepiadaceae
560 Twiners (557:)	561
560: Non-twiners	562
561 Fruits winged (560)	Cardiopteridaceae
561: Fruits not winged	Convolvulaceae
562 Flowers zygomorphic (560:)	Campanulaceae
562: Flowers actinomorphic	563
563 Anthers connivent around or above stigma (562:)	Apocynaceae
563: Anthers free	564

564 Stamens alternating with lobes or angles of corolla (563:)	.....	Convolvulaceae
564: Stamens opposite corolla lobes	.....	Sapotaceae
565 Leafless parasites (556:)	.....	Cuscutaceae
565: Leafy plants	.....	566
566 Gynoecium apocarpous or divided into 2 or more free segments (565:)	.....	567
566: Gynoecium syncarpous, the ovary entire or lobed, or carpel 1	.....	572
567 Leaves opposite, verticillate or absent (566)	.....	568
567: Leaves alternate or radical	.....	570
568 Leaves absent (567)	.....	Asclepiadaceae
568: Leaves opposite or verticillate	.....	569
569 Perianth segments (calyx plus corolla) 10 or fewer (568:)	.....	Apocynaceae
569: Perianth segments c. 15	.....	Monimiaceae
570 Inflorescence a monochasial cyme, uncoiling as the flowers open (567:)	.....	.....
.....	.....	Boraginaceae
570: Inflorescence not as above	.....	571
571 Plants slender, creeping perennials, rooting at nodes (570:)	.....	Convolvulaceae
571: Plants \pm erect	.....	Boraginaceae
572 Leaves alternate, in alternate pairs, or clustered (566:)	.....	573
572: Leaves verticillate or opposite	.....	575
573 Leaves compound (572)	.....	574
573: Leaves simple	.....	595
574 Leaves stipulate (573)	.....	Mimosaceae
574: Leaves exstipulate	.....	Leeaceae
575 Leaves verticillate (572:)	.....	576
575: Leaves opposite	.....	577
576 Shrubs or trees (575)	.....	Apocynaceae
576: Floating herbs	.....	Droseraceae
577 Flowers actinomorphic (575:)	.....	578
577: Flowers zygomorphic	.....	593
578 Leaves compound (577)	.....	Bignoniaceae
578: Leaves simple	.....	579
579 Style 1 with 5–many branches, or styles 5 (578:)	.....	580
579: Style 1 with 1–4 stigmas or branches	.....	581
580 Styles or style branches 5 (579)	.....	Plumbaginaceae
580: Style 1, apex divided into many minute stigmatic branches	.....	Nyctaginaceae
581 Style 1 with 3 or 4 branches (579:)	.....	582
581: Style 1 with 1 or 2 stigmas	.....	583

Key to families

582 Style with 4 branches (581)	Polemoniaceae
582: Style with 3 branches.....	592
583 Inflorescence a monochasial cyme (581:.).....	Boraginaceae
583: Inflorescence not a monochasial cyme	584
584 Anthers cohering about style (583:.).....	585
584: Anthers quite free	587
585 Herbs (584)	Caryophyllaceae
585: Shrubs.....	586
586 Leaves opposite (585:.)	Apocynaceae
586: Leaves alternate.....	Solanaceae
587 Stamens alternating with corolla lobes (584:.)	588
587: Stamens opposite corolla lobes	Primulaceae
588 Ovary 1-locular (587).....	589
588: Ovary 2- or 4-locular	590
589 Stipules small, scarious (588)	Caryophyllaceae
589: Stipules absent	Gentianaceae
590 Plants (including the inflorescence) densely covered with cottony or woolly hairs (588:.).....	Verbenaceae
590: Not as above.....	591
591 Leaves all opposite, usually stipulate (590).....	Loganiaceae
591: Leaves on non-flowering parts alternate, exstipulate	Solanaceae
592 Stamens free from corolla (582:.)	Frankeniaceae
592: Stamens epipetalous	Polemoniaceae
593 Leaves compound (577:.)	Bignoniaceae
593: Leaves simple.....	594
594 Ovary 4- or occasionally 2-locular (593:.)	Verbenaceae
594: Ovary 1-locular; leaves with viscid hairs	Pedaliaceae
595 Petals 3 (573:.).....	Polygalaceae
595: Petals 4 or 5	596
596 Style with indusium (pollen cup surrounding stigma) (595:.)	597
596: No indusium present.....	598
597 Corolla actinomorphic or nearly so (596).....	Brunoniaceae
597: Corolla zygomorphic, usually split down one side.....	Goodeniaceae
598 Flowers zygomorphic (596:.).....	599
598: Flowers actinomorphic	600
599 Flowers only slightly zygomorphic; seeds numerous in a berry or capsule (598).....	Solanaceae
599: Flowers distinctly zygomorphic; seeds 1 or 2 in 2 or 4 distinct nutlets	Boraginaceae

600	Stamens completely free from petals (598:)	601
600:	Stamens attached to petals, sometimes only slightly so at base	610
601	Stigmas 3–5 (600)	602
601:	Stigmas 1 or 2	603
602	Ovary 3–5-locular; fruit of 3–5 nutlets (601)	Stackhousiaceae
602:	Ovary of 5 carpels but unilocular; fruit a single nut	Plumbaginaceae
603	Stamens opposite corolla lobes (601:)	604
603:	Stamens alternating with corolla lobes	606
604	Nectar-secreting disc conspicuous, embedding base of ovary (603)	Olaceaceae
604:	Nectar-secreting disc absent	605
605	Ovary 1-locular with several ovules (604:)	Myrsinaceae
605:	Ovary 2- or more-locular with 1 ovule per loculus	Sapotaceae
606	Herbs (603:)	607
606:	Trees, shrubs, climbers, or twiners	608
607	Leaves with glandular hairs; corolla segments only united in short ring at the base (606)	Byblidaceae
607:	Leaves not as above; corolla segments cohering to form a tube, but free at the base	Stackhousiaceae
608	Calyx covered at base with usually numerous imbricate sepaloid bracteoles (606:)	Epacridaceae
608:	Bracteoles absent, or not covering base of calyx	609
609	Anthers versatile; ovules 1 or 2 in ovary (608:)	Olaceaceae
609:	Anthers not versatile; ovules more than 2 in ovary	Pittosporaceae
610	Stamens almost free from but usually detached with petals (600:)	Pittosporaceae
610:	Stamens distinctly epipetalous, though sometimes attached near the base of corolla tube	611
611	Inflorescence a monochasial cyme (610:)	612
611:	Inflorescence not a monochasial cyme	614
612	Styles 2, free (611)	Hydrophyllaceae
612:	Style 1, with 1 or more stigmas	613
613	Fruit a capsule or berry (612:)	Solanaceae
613:	Fruit a drupe or divided into nutlets	Boraginaceae
614	Style 1 (611:)	615
614:	Styles 2–5	619
615	Stigmas 3–8 (614)	616
615:	Stigmas 1 or 2, or stigma sessile	620
616	Stigmas 5–8 (615)	617
616:	Stigmas 3 or 4	618

Key to families

617 Stigmas 5 (616)	Plumbaginaceae
617: Stigmas 6–8.....	Convolvulaceae
618 Stigmas 3 (616:).....	Polemoniaceae
618: Stigmas 4	639
619 Styles 5, free (614:).....	Plumbaginaceae
619: Styles 2, free	640
620 Stamens opposite corolla lobes (615:).....	621
620: Stamens alternating with corolla lobes	623
621 Herbs (620)	Primulaceae
621: Shrubs or trees	622
622 Ovary 1-locular, with central placenta (621:).....	Myrsinaceae
622: Ovary 2- or more-locular	Sapotaceae
623 Leaves simple or absent from mature plant (620:).....	624
623: Leaves compound.....	637
624 Herbs, growing in marshes or in water (623).....	Menyanthaceae
624: Herbs (not aquatic), shrubs or trees, sometimes climbers.....	625
625 Base of calyx \pm covered by imbricate bracts and bracteoles; bracteoles sometimes only 2 (624:).....	Epacridaceae
625: Bracteoles absent, or not covering base of calyx	626
626 Climbers, twiners, or prostrate plants (625:)	627
626: Plants \pm erect.....	628
627 Anthers connivent in cone around style, dehiscing by pores or slits; ovary 2-locular, usually with many ovules (626)	Solanaceae
627: Anthers not connivent; ovary 1- or 2-locular; ovules 2 or 4 per locus Convolvulaceae	
628 Herbs (sometimes coarse), usually annual (626:).....	629
628: Shrubs or small trees	630
629 Ovules 2 or more per locus (628).....	Solanaceae
629: Ovules 1 per locus.....	Boraginaceae
630 Ovary 1–3-locular (628:).....	631
630: Ovary 4- or 5-locular	635
631 Ovary 1-locular (630).....	Monimiaceae
631: Ovary 2- or 3-locular.....	632
632 Ovary 3-locular (631:).....	Solanaceae
632: Ovary 2-locular	633
633 Ovules 1 or 2 per locule (632:).....	634
633: Ovules more than 2 per locus.....	Solanaceae
634 Ovules 1 per locus (633).....	Myoporaceae
634: Ovules 2 per locus	Boraginaceae

- 635 Ovary usually 5-locular (630:)..... **Epacridaceae**
635: Ovary 4-locular 636
636 Fruit a drupe or nut; ovules 1 per loculus (635:) **Boraginaceae**
636: Fruit a berry or capsule; ovules usually more than 1 per loculus..... **Solanaceae**
- 637 Tendril climbers (623:)..... **Polemoniaceae**
637: Not tendril climbers but sometimes twiners..... 638
638 Leaves palmate (637:) **Convolvulaceae**
638: Leaves pinnate..... **Solanaceae**
- 639 Usually annuals, with slender creeping or trailing stems; ovary 2-locular (618:).....
..... **Convolvulaceae**
639: Tall shrubs or trees; ovary 4-locular..... **Boraginaceae**
640 Each of the 2 styles divided into 2 branches (619:) **Convolvulaceae**
640: Each style simple..... 641
- 641 Ovary 2-locular, with numerous ovules (640:) **Hydrophyllaceae**
641: Ovary 2-locular, with 2 ovules per loculus..... **Convolvulaceae**
642 Latex present (477:) **Sapotaceae**
642: Latex absent 643
- 643 Leaves pinnatisect or compound (642:)..... 644
643: Leaves simple or reduced to phyllodes..... 648
644 Leaves pinnatisect (643) **Ranunculaceae**
644: Leaves compound 645
- 645 Leaves bipinnate (644:) **Mimosaceae**
645: Leaves pinnate or 3-foliolate 646
646 Gynoecium apocarpous (645:) **Crassulaceae**
646: Gynoecium syncarpous or carpel 1 647
- 647 Style 1; ovary 1-locular (646:) **Mimosaceae**
647: Styles 3–5; ovary 3–5-locular **Oxalidaceae**
648 Gynoecium apocarpous (643:) 649
648: Gynoecium syncarpous or carpel 1 650
- 649 Style 1 (648) **Rutaceae**
649: Styles as many as carpels..... **Crassulaceae**
650 Perfect stamens alternating with staminodes (sometimes scale-like) (648:).....
..... **Sapotaceae**
650: Stamens all perfect 651
- 651 Stamens 10 or fewer (650:)..... 652
651: Stamens indefinite 656
652 Style 1, the apex divided into many minute stigmatic branches (651) **Nyctaginaceae**
652: Styles or stigmas 5 or fewer, apex not as above 653

Key to families

653 Stamens united (652:)	Polygalaceae
653: Stamens free	654
654 Stamens free from corolla, hypogynous (653:)	Ericaceae
654: Stamens epipetalous	655
655 Style and stigma 1 (654:)	Solanaceae
655: Styles or stigmas 2 or more	Ebenaceae
656 Ovary of 1 carpel, 1-locular; style and stigma 1 (651:)	Mimosaceae
656: Ovary syncarpous, mostly 3–5-locular; styles or stigmas 2 or more	657
657 Pedicel with a pair of bracts (656:)	Theaceae
657: Pedicel lacking bracts	Actinidiaceae
658 Leaves opposite or verticillate (473:)	659
658: Leaves alternate, radical, or absent	675
659 Petals 4 (658)	660
659: Petals 5 or more	663
660 Leaves compound (659:)	Caprifoliaceae
660: Leaves simple	661
661 Stamens epipetalous (660:)	Rubiaceae
661: Stamens free from petals	662
662 Ovary 1-locular (661:)	Grossulariaceae
662: Ovary 2–5-locular	Campanulaceae
663 Petals 5 (659:)	664
663: Petals more than 5	673
664 Stamen 1 (663)	Valerianaceae
664: Stamens 4 or 5	665
665 Stamens 4 (664:)	666
665: Stamens 5	668
666 Flowers in heads surrounded by involucre of bracts (665)	Dipsacaceae
666: Flowers not in heads	667
667 Herbs (666:)	Gesneriaceae
667: Shrubs	Caprifoliaceae
668 Plants parasitic (mistletoes) (665:)	Loranthaceae
668: Plants not parasitic	669
669 Stamens free from petals (668:)	670
669: Stamens epipetalous	671
670 Style expanded into an indusium (669)	Goodeniaceae
670: Style without indusium	Campanulaceae

671 Flowers zygomorphic (669:)	Caprifoliaceae
671: Flowers actinomorphic	672
672 Leaves stipulate (671:)	Rubiaceae
672: Leaves exstipulate	Caprifoliaceae
673 Styles or stigmas 3 or 5 (663:)	Rubiaceae
673: Style 1; stigmas 1 or 2	674
674 Plants parasitic (mistletoes) (673:)	Loranthaceae
674: Plants not parasitic	Rubiaceae
675 Plants parasitic (mistletoes) (658:)	Loranthaceae
675: Plants not parasitic	676
676 Stamens 2–4 (675:)	677
676: Stamens 5 or more	679
677 Stamens 2; gynandrous (676)	Stylidiaceae
677: Stamens 3 or 4	678
678 Stamens 3 (677:)	Cucurbitaceae
678: Stamens 4	Campanulaceae
679 Stamens 5 (676:)	680
679: Stamens more than 5	689
680 Style expanded into an indusium (679)	Goodeniaceae
680: Style without indusium	681
681 Flowers zygomorphic, corolla tube usually split down one side (680:)	Campanulaceae
681: Flowers actinomorphic	682
682 Prostrate plants or climbers; tendrils large (681:)	Cucurbitaceae
682: Non-climbers; tendrils absent	683
683 Stamens alternating with corolla lobes (682:)	684
683: Stamens opposite corolla lobes	687
684 Ovary 1-locular (683)	Menyanthaceae
684: Ovary 2- or more-locular	685
685 Stems ±succulent, hollow; flowers in dense spikes (684:)	Sphenocleaceae
685: Stems not succulent, solid; flowers racemose or axillary	686
686 Fruit a capsule (685:)	Campanulaceae
686: Fruit a berry	Epacridaceae
687 Herbs (683:)	Primulaceae
687: Trees or climbers	688
688 Trees or climbers; stigma 1 (687:)	Myrsinaceae
688: Trees; stigmas 3	Alangiaceae

Key to families

689 Stamens 6 (679:)	Alangiaceae
689: Stamens 10 or more	690
690 Stamens 10 (689:)	Ericaceae
690: Stamens numerous	691
691 Leaves, if present, caducous (690:)	Cactaceae
691: Leaves persistent	692
692 Leaves gland-dotted (691:)	Myrtaceae
692: Leaves not gland-dotted	Symplocaceae
693 Flowers unisexual (10:)	694
693: Flowers mostly bisexual	777
694 Leafless stem parasite embedded in host; only the flowers emergent (693)	Rafflesiaceae
694: Not an embedded parasite (though sometimes leafless)	695
695 Leaves or scales in whorls of 3 or more (694:)	696
695: Leaves or scales alternate, opposite, or absent	698
696 Shrubs or trees (695)	Casuarinaceae
696: Aquatic herbs	697
697 Ovary inferior (696:)	Haloragaceae
697: Ovary superior	Ceratophyllaceae
698 Latex present (695:)	699
698: Latex absent	701
699 Separate male and female flowers inside pear-shaped receptacle which opens by narrow aperture at top (698)	Moraceae
699: Not as above	700
700 Leaves stipulate; ovary 1-locular with 1 ovule (699:)	Moraceae
700: Leaves exstipulate; ovary 2- or more-locular	Euphorbiaceae
701 Perianth segments 2 or 3 (698:)	702
701: Perianth segments 4 or more, or perianth obscurely lobed or truncate	717
702 Perianth segments 2 (701:)	703
702: Perianth segments 3	708
703 Ovary superior (702)	704
703: Ovary inferior	707
704 Climbers (703)	Menispermaceae
704: Non-climbers	705
705 Ovary 2- or 3-locular; styles 2 or 3 (704:)	Euphorbiaceae
705: Ovary 1-locular; styles 2	706
706 Leaves stipulate (705:)	Urticaceae
706: Leaves exstipulate	Chenopodiaceae

707	Flowers minute, in heads, surrounded by an involucre of bracts; style 1 with bifid stigma (703:)	Asteraceae
707:	Flowers not in heads, or if in heads, lacking an involucre of bracts; styles 2 (\pm fused at base)	Gunneraceae
708	Ovary inferior (702:)	709
708:	Ovary superior	710
709	Herbs (708)	Gunneraceae
709:	Parasitic shrubs (mistletoes)	Viscaceae
710	Succulent root parasites without chlorophyll, 5–10 cm high with scale-like leaves (708:)	Balanophoraceae
710:	Herbs, shrubs, or trees, not parasitic	711
711	Style or stigma 1 (710:)	712
711:	Styles or style branches 2 or more	715
712	Stigma penicillate (711)	Urticaceae
712:	Stigma not penicillate	713
713	Leaves compound (712:)	Sapindaceae
713:	Leaves simple	714
714	Leaves with 7–20 primary veins on each side of midrib (713:)	Myristicaceae
714:	Midrib the only prominent vein, if any	Santalaceae
715	Ovary 2- or 3-locular (711:)	Euphorbiaceae
715:	Ovary 1-locular, with 1 ovule	716
716	Leaves stipulate (715:)	Polygonaceae
716:	Leaves exstipulate	Amaranthaceae
717	Perianth segments 4 (701:)	718
717:	Perianth segments 5 or more, or perianth obscurely lobed or truncate	742
718	Plants parasitic on roots or stems (717)	719
718:	Plants not parasitic	720
719	Leafless succulents, parasitic on roots (718)	Balanophoraceae
719:	Shrubs parasitic on stems (mistletoes)	Viscaceae
720	Ovary or gynoecium superior (718:)	721
720:	Ovary inferior	740
721	Gynoecium apocarpous (720)	722
721:	Gynoecium syncarpous or carpel 1	725
722	Styles 4, connate (721)	Sterculiaceae
722:	Styles free	723
723	Leaves alternate (722:)	Phytolaccaceae
723:	Leaves opposite	724

Key to families

724 Leaves simple (723:)	Monimiaceae
724: Leaves compound	Ranunculaceae
725 Leaf terminating in a tendril or pitcher provided with a lid (721:)	Nepenthaceae
725: Leaf not terminating in a tendril or pitcher, or leaves absent	726
726 Styles or stigmas penicillate (725:)	Urticaceae
726: Neither styles nor stigmas penicillate	727
727 Styles 1 or 2 (726:)	728
727: Styles 3–6	729
728 Styles 2 (727)	Ulmaceae
728: Style 1	730
729 Placentation axile (727:)	Euphorbiaceae
729: Placentation parietal	Flacourtiaceae
730 Leaves simple or absent (728:)	731
730: Leaves compound	739
731 Leaves alternate (730)	732
731: Leaves opposite	Urticaceae
732 Leaves without stinging hairs, or leaves absent (731)	733
732: Leaves with stinging hairs	Urticaceae
733 Stamens 2–4 in male flowers (732)	734
733: Stamens 6 or more in male flowers	737
734 Stamens 2 in male flowers (733)	Thymelaeaceae
734: Stamens usually 4 in male flowers	735
735 Leaves not expanded at time of flowering; stigma sessile (734:)	Santalaceae
735: Leaves present at time of flowering	736
736 Leaves stipulate (735:)	Urticaceae
736: Leaves exstipulate	Phytolaccaceae
737 Stamens 6 in male flowers (733:)	Lauraceae
737: Stamens 10 or numerous in male flowers	738
738 Ovary glabrous (737:)	Flacourtiaceae
738: Ovary with hooked bristles	Phytolaccaceae
739 Leaves stipulate (730:)	Rosaceae
739: Leaves exstipulate	Sapindaceae
740 Herbs (720:)	Haloragaceae
740: Shrubs or trees	741
741 Fruit a nut (740:)	Fagaceae
741: Fruit a capsule	Datisceaeae

742 Ovary or gynoecium superior (717:)	743
742: Ovary inferior	772
743 Gynoecium apocarpous (742)	744
743: Gynoecium syncarpous or carpel 1	748
744 Leaves opposite (743)	Monimiaceae
744: Leaves alternate	745
745 Perianth segments 6 (744:)	Menispermaceae
745: Perianth segments 5	746
746 Leaves gland-dotted (745:)	Rutaceae
746: Leaves not gland-dotted	747
747 Ovules 1 per carpel (746:)	Phytolaccaceae
747: Ovules 2 or more per carpel	Sterculiaceae
748 Leaves alternate, radical, or absent (743:)	749
748: Leaves opposite	769
749 Climbers (748)	750
749: Non-climbers	752
750 Styles 3, free (749)	Amaranthaceae
750: Styles connate or united; stigmas 3	751
751 Stamens 2–5 in male flowers; plants monoecious (750:)	Euphorbiaceae
751: Stamens c. 8 in male flowers; plants usually dioecious	Polygonaceae
752 Perianth segments 5, or perianth obscurely lobed or truncate (749:)	753
752: Perianth segments 6	766
753 Leaves simple or absent (752)	754
753: Leaves compound	764
754 Perianth shallow cup-shaped, scarcely lobed; stamens \pm sessile (753)	Gyrostemonaceae
754: Perianth \pm erect, clearly lobed; stamens with filaments	755
755 Styles or stigmas 8 or more (754:)	Phytolaccaceae
755: Styles or stigmas 1–3 (if style 2 or 3, stigmas sometimes 4 or 6, i.e. style bifid)	756
756 Style and stigma 1 (755:)	757
756: Styles or stigmas usually 2 or 3	759
757 Ovary 3- or more-locular (756)	Sapindaceae
757: Ovary 1-locular	758
758 Style terminal; ovule 1 (757:)	Euphorbiaceae
758: Style gynobasic; ovules 2	Surianaceae
759 Herbs (756:)	760
759: Shrubs or trees	761

Key to families

760 Ovary 1-locular (759).....	Amaranthaceae
760: Ovary 2- or more-locular	Euphorbiaceae
761 Ovary 2- or 3-locular (759:)	Euphorbiaceae
761: Ovary 1-locular with 1 ovule	762
762 Leaf base sheathing (761:).....	Polygonaceae
762: Leaf base not sheathing	763
763 Leaves stipulate (762:)	Ulmaceae
763: Leaves exstipulate	Chenopodiaceae
764 Herbs (753:).....	Rosaceae
764: Shrubs or trees	765
765 Leaves 3-foliolate (764:)	Euphorbiaceae
765: Leaves pinnate.....	Sapindaceae
766 Slender creeping perennials (752:).....	Polygonaceae
766: Shrubs or trees	767
767 Perianth in 2 whorls each of 3 united segments (766:)	Ebenaceae
767: Perianth segments usually all free	768
768 Perianth segments in 1 series; style 1, entire or shortly lobed (767:).....	Sapindaceae
768: Perianth segments usually in 2 series; styles usually 3, simple or divided	Euphorbiaceae
769 Styles 2 or more (748:).....	Euphorbiaceae
769: Style 1, with 1 or 2 stigmas.....	770
770 Woody climbers (769:).....	Nyctaginaceae
770: Shrubs or trees	771
771 Stamens 2 in male flowers (770:).....	Oleaceae
771: Stamens more than 2.....	Sapindaceae
772 Leaves compound (742:)	Apiaceae
772: Leaves simple.....	773
773 Style and stigma 1, or stigma sessile (772:).....	Combretaceae
773: Styles and stigmas 2–8	774
774 Styles or stigmas 2 (773:)	775
774: Styles or stigmas 3–8.....	776
775 Fruit indehiscent, 1-seeded (a cypsela) (774)	Asteraceae
775: Fruit 2-locular, breaking at maturity into 2 unicarpellate units (a schizocarp)...	Apiaceae
776 Fruit a nut (774:).....	Fagaceae
776: Fruit a capsule.....	Datisceaeae
777 Latex present (693:)	778
777: Latex absent	782

778 Ovary inferior (777)	779
778: Ovary superior.....	781
779 Perianth small, insignificant or absent (778)	Moraceae
779: Perianth ±showy, petaloid.....	780
780 Perianth strongly zygomorphic (779:).....	Asteraceae
780: Perianth ±actinomorphic.....	Rubiaceae
781 Flowers unisexual; ovary 3-locular (778:).....	Euphorbiaceae
781: Flowers bisexual; ovary 2–many-locular	Papaveraceae
782 Ovary or gynoecium superior (777:)	783
782: Ovary inferior.....	951
783 Gynoecium apocarpous (782)	784
783: Gynoecium syncarpous or carpel 1.....	802
784 Perianth segments 2 or 4 (783)	785
784: Perianth segments 5 or 6.....	791
785 Perianth segments 2 (784).....	Winteraceae
785: Perianth segments 4.....	786
786 Climbers (785:).....	Ranunculaceae
786: Non-climbers.....	787
787 Herbs (786:).....	788
787: Shrubs or trees	789
788 Leaves radical (787)	Ranunculaceae
788: Leaves alternate.....	Phytolaccaceae
789 Perianth segments united (787:).....	Sterculiaceae
789: Perianth segments free.....	790
790 Leaves stipulate (789:)	Magnoliaceae
790: Leaves exstipulate	Monimiaceae
791 Perianth segments 5 (784:)	792
791: Perianth segments 6.....	795
792 Leaves gland-dotted (791)	Rutaceae
792: Leaves, if present, not gland-dotted	793
793 Leaves opposite (792:)	Cunoniaceae
793: Leaves alternate, radical or absent	794
794 Leaves all alternate, or absent (793:)	Phytolaccaceae
794: Leaves radical, or radical and alternate	Ranunculaceae
795 Leaves opposite (791:)	Monimiaceae
795: Leaves alternate or radical	796

Key to families

796 Leaves mostly radical (795:)	797
796: Leaves all alternate	798
797 Leaf pitchers present (796)	Cephalotaceae
797: Leaf pitchers absent	Ranunculaceae
798 Aquatic herbs with peltate leaves (796:)	Cabombaceae
798: Shrubs, trees or woody climbers	799
799 Woody climbers (798:)	Menispermaceae
799: Shrubs or trees, non-climbers	800
800 Stamens 8 (799:)	Phytolaccaceae
800: Stamens indefinite	801
801 Leaves distichous; receptacle short (800:)	Annonaceae
801: Leaves not distichous; receptacle elongated	Magnoliaceae
802 Perianth segments 1–3 (783:)	803
802: Perianth segments 4–6	812
803 Perianth segment 1 (802)	Caryophyllaceae
803: Perianth segments 2 or 3	804
804 Perianth segments 2 (803:)	805
804: Perianth segments 3	807
805 Stamens 5 or fewer (804)	Chenopodiaceae
805: Stamens numerous	806
806 Herbs or small shrubs (805:)	Papaveraceae
806: Trees	Winteraceae
807 Leaves alternate or absent (804:)	808
807: Leaves opposite or verticillate	811
808 Leaves absent (807)	Chenopodiaceae
808: Leaves alternate	809
809 Styles 2 or 3 (808:)	Amaranthaceae
809: Style 1	810
810 Tendrils present (809:)	Vitaceae
810: Tendrils absent	Caryophyllaceae
811 Stigma 1 (807:)	Lythraceae
811: Stigmas 3	Elatinaceae
812 Perianth segments 5 or 6 (802:)	813
812: Perianth segments 4	814
813 Perianth segments 5 (812)	869
813: Perianth segments 6	928

814	Leaves alternate, radical, or absent (812:)	815
814:	Leaves opposite or verticillate	854
815	Style and stigma 1 (814)	816
815:	Styles or stigmas more than 1	846
816	Stamens (excluding staminodes) 2 or 3 (815)	817
816:	Stamens 4 or more	819
817	Stamens 3 (with or without additional staminodes) (816)	818
817:	Stamens 2	823
818	Stamens 3; staminodes absent (817)	Rosaceae
818:	Stamens 3; staminode 1	Proteaceae
819	Stamens 4 or 5 (816:)	820
819:	Stamens 6 or more	821
820	Stamens 4 (819)	827
820:	Stamens 5	Rosaceae
821	Stamens 6 (819:)	822
821:	Stamens more than 6	840
822	Fruit a berry (821)	Lauraceae
822:	Fruit an achene	Rosaceae
823	Leaves simple or absent (817:)	824
823:	Leaves compound	826
824	Leaves radical or absent (823)	Lentibulariaceae
824:	Leaves alternate	825
825	Herbs; perianth segments free (824:)	Brassicaceae
825:	Shrubs; perianth segments united	Thymelaeaceae
826	Floating aquatics (823:)	Lentibulariaceae
826:	Rooted land plants	Rosaceae
827	Plants usually climbers with leaf-opposed tendrils (820)	Vitaceae
827:	Plants without tendrils	828
828	Leaves compound (827:)	829
828:	Leaves simple	831
829	Stamens adnate to perianth segments (828)	Proteaceae
829:	Stamens not adnate to perianth segments	830
830	Fruit an achene (829:)	Rosaceae
830:	Fruit a legume	Caesalpiniaceae
831	Leaves with stinging hairs (828:)	Urticaceae
831:	Leaves without stinging hairs	832

Key to families

832 Stamens distinctly adnate to perianth segments (831:)	833
832: Stamens adhering to base of perianth, or free from it	834
833 Stamens same number as and opposite perianth segments and often sessile on them (832)	Proteaceae
833: Stamens same number as and alternate with perianth segments, or twice as many, on short filaments	Elaeagnaceae
834 Flowers in axillary spikes (832:)	835
834: Flowers not in spikes	837
835 Leaves glabrous or with scattered hairs (834)	836
835: Underside of leaves white with close-set hairs	Urticaceae
836 Perianth segments united into 4-lobed floral tube (835)	Opiliaceae
836: Perianth segments not united	Santalaceae
837 Perianth petaloid (834:)	838
837: Perianth sepaloid	839
838 Stamens same number as and opposite perianth segments (837)	Proteaceae
838: Stamens same number as and alternate with perianth segments or more numerous	Phytolaccaceae
839 Flowers ebracteate, in terminal racemes (837:)	Brassicaceae
839: Flowers bracteate, in clusters, cymes, or heads	Urticaceae
840 Leaves simple (821:)	841
840: Leaves compound	845
841 Herbs (840)	842
841: Shrubs or trees	843
842 Sepals 2, valvate, completely enclosing bud; ovules several in each loculus (841)	Papaveraceae
842: Sepals not as above; ovule 1 in each loculus	Phytolaccaceae
843 Stamens 10 or fewer (841:)	Thymelaeaceae
843: Stamens indefinite	844
844 Leaves gland-dotted (843:)	Winteraceae
844: Leaves not gland-dotted	Tiliaceae
845 Shrubs or trees (840:)	Caesalpiniaceae
845: Herbs	Rosaceae
846 Stamens 4 or fewer (815:)	847
846: Stamens 5 or more	850
847 Herbs, either aquatic or growing in wet places; leaves radical, floating or absent; sepals 2; petals united; corolla 2-lipped (846)	Lentibulariaceae
847: Plants not as above	848
848 Leaves with ochrea (847:)	Polygonaceae
848: Leaves without ochrea	849

849 Herbs or shrubs; leaves covered with mealy scales (848:)	Chenopodiaceae
849: Trees	Ulmaceae
850 Stamens 5–10 (846:)	851
850: Stamens numerous	853
851 Style 1; stigmas usually 2 (850)	Sapindaceae
851: Styles more than 1	852
852 Trees with irritant hairs; stipules reniform; fruit a large drupe (851:)	Davidsoniaceae
852: Herbs without irritant hairs; stipules sheath-like; fruit a small nut	Polygonaceae
853 Ovary 3- to 5-locular (850:)	Nymphaeaceae
853: Ovary 1-locular	Papaveraceae
854 Style and stigma 1 (814:)	855
854: Styles or stigmas more than 1	864
855 Stamens 2, 3 or 5 (854)	856
855: Stamens 4 or 8	859
856 Stamens 3 or 5 (855)	Lythraceae
856: Stamens 2	857
857 Stamens free from perianth, united into a cup at base (856:)	Amaranthaceae
857: Stamens adnate to perianth	858
858 Annual herbs, frequently in moist situations (857:)	Lythraceae
858: Small shrubs	Thymelaeaceae
859 Stamens 8 (855:)	Thymelaeaceae
859: Stamens 4	860
860 Leaves with stinging hairs (859:)	Urticaceae
860: Leaves without stinging hairs	861
861 Stamens distinctly adnate to perianth (860:)	862
861: Stamens free from perianth or attached at the base of the perianth segments	863
862 Shrubs or trees (861)	Proteaceae
862: Herbs	Lythraceae
863 Herbs (861:)	Amaranthaceae
863: Shrubs or trees	Santalaceae
864 Stamen 1 (854:)	Caryophyllaceae
864: Stamens 4 or more	865
865 Stamens 4 (864:)	866
865: Stamens more than 4	867
866 Stamens alternating with the perianth lobes (865)	Aizoaceae
866: Stamens opposite the perianth lobes	Santalaceae

Key to families

867 Styles 2 (865:)	Cunoniaceae
867: Styles 4	868
868 Stamens indefinite (867:)	Aizoaceae
868: Stamens 8	Cunoniaceae
869 Leaves alternate, radical, or absent (813)	870
869: Leaves opposite or verticillate	913
870 Stamens 5 or fewer (869)	871
870: Stamens more than 5	892
871 Style and stigma 1 (870)	872
871: Styles or stigmas more than 1	880
872 Climbers with leaf-opposed tendrils (871)	Vitaceae
872: Non-climbers, or climbers without leaf-opposed tendrils	873
873 Leaves compound (872:)	Caesalpiaceae
873: Leaves simple or absent	874
874 Flowers in clusters of 2–4, surrounded by conspicuous coloured bracts (873:)	Nyctaginaceae
874: Flowers not as above	875
875 Stamens 3 or fewer, with or without staminodes (874:)	876
875: Stamens 5, all with anthers	877
876 Stamens 2 or 3, with or without anthers, united at base into a short cup (875)	Amaranthaceae
876: Stamens 3; staminodes 5	Olacaceae
877 Herbs or undershrubs (875:)	Amaranthaceae
877: Shrubs or trees	878
878 Stamens opposite perianth segments (877:)	Santalaceae
878: Stamens alternate with perianth segments	879
879 Ovary surrounded by nectar-secreting disc (878:)	Rhamnaceae
879: Ovary not surrounded by nectar-secreting disc	Sterculiaceae
880 Twiners or climbers (871:)	881
880: Not climbers or twiners	884
881 Tendril climbers (880)	882
881: Twiners, without tendrils	883
882 Tendrils axillary (881)	Passifloraceae
882: Tendrils terminating inflorescence	Polygonaceae
883 Perianth segments free; styles 3 (881:)	Amaranthaceae
883: Perianth segments united; style 1, with 2 short stigmas	Rhamnaceae
884 Herbs (880:)	885
884: Shrubs or trees	889

885 Ovary 3–5-locular, with several ovules in each loculus (884).....	886
885: Ovary 1-locular, with 1–several ovules	887
886 Flowers hypogynous; calyx free, divided to base or nearly so (885)	Molluginaceae
886: Flowers perigynous; calyx entirely or partly adnate to ovary, or free but with a distinct tube.....	Aizoaceae
887 Leaves with ochrea (885:)	Polygonaceae
887: Leaves without ochrea	888
888 Flowers with 1 bract and usually 1 or 2 bracteoles (887:).....	Amaranthaceae
888: Flowers without bracts or bracteoles	Chenopodiaceae
889 Stamens opposite perianth segments (884:).....	890
889: Stamens alternating with perianth segments	891
890 Perianth segments free; tall shrubs or trees (889)	Ulmaceae
890: Perianth segments united; shrubs, usually small	Chenopodiaceae
891 Stamens 5; staminodes 5; ovary 5-locular (889:).....	Sterculiaceae
891: Stamens 5; ovary 2- or 3-locular	Rhamnaceae
892 Leaves simple or absent (870:)	893
892: Leaves compound.....	910
893 Style 1 (892)	894
893: Styles 2 or more, free.....	905
894 Stigma large, peltate (893).....	Surianaceae
894: Stigma not peltate.....	895
895 Flowers in clusters of 3–5, surrounded by 3 large coloured bracteoles (894:)	Nyctaginaceae
895: Flowers not surrounded by conspicuous bracteoles	896
896 Climbers, shrubs or trees (895:).....	897
896: Herbs, non-climbers	898
897 Climbers (896)	Polygonaceae
897: Shrubs or trees	900
898 Stamens indefinite (896:).....	Molluginaceae
898: Stamens 10 or fewer	899
899 Flowers hypogynous (898:)	Polygonaceae
899: Flowers perigynous	Aizoaceae
900 Perianth segments united (897:).....	901
900: Perianth segments free.....	903
901 Leaves absent; stems flat and green (900)	Polygonaceae
901: Leaves present.....	902
902 Stamens 10 or fewer; stigmas 2 or 3 (901:).....	Sapindaceae
902: Stamens indefinite; stigma 1	Elaeocarpaceae

Key to families

903 Flowers small, in heads or spikes; stamens exerted (900:)	Mimosaceae
903: Flowers not in heads or spikes; stamens usually not exerted	904
904 Seeds endospermic; stipules present, often caducous (903:)	Flacourtiaceae
904: Seeds non-endospermic; stipules absent	Lauraceae
905 Styles 2 or 3 (893:)	906
905: Styles 5 or more	907
906 Styles 2 (905)	Polygonaceae
906: Styles 3	908
907 Styles 5 (905:)	Aizoaceae
907: Styles c. 8	Phytolaccaceae
908 Ovary 1-locular; ovule 1 (906:)	Polygonaceae
908: Ovary 3-locular; ovules several per loculus	909
909 Flowers hypogynous; calyx free, divided to base or nearly so (908:)	Molluginaceae
909: Flowers perigynous; calyx entirely or partly adnate to ovary, or free but with a distinct tube	Aizoaceae
910 Leaves bipinnate (892:)	Mimosaceae
910: Leaves pinnate	911
911 Stigmas 2 (910:)	Sapindaceae
911: Stigma 1	912
912 Ovary 1-locular (911:)	Caesalpiaceae
912: Ovary 2- or more-locular	Sapindaceae
913 Style and stigma 1 (869:)	914
913: Styles or style-branches more than 1	919
914 Leaves gland-dotted (913)	Myrtaceae
914: Leaves not gland-dotted	915
915 Stamens free from perianth (914:)	916
915: Stamens adnate to perianth	917
916 Perianth segments free (915:)	Amaranthaceae
916: Perianth segments united	Nyctaginaceae
917 Opposite leaves unequal in size (915:)	Aizoaceae
917: Opposite leaves equal in size	918
918 Stamens 10 (917:)	Thymelaeaceae
918: Stamens less than 10	Lythraceae
919 Stamen 1 (913:)	Caryophyllaceae
919: Stamens 2 or more	920
920 Stamens 2–5 (919:)	921
920: Stamens more than 5	925

921 Stamens adnate to perianth (920).....	Aizoaceae
921: Stamens free from perianth.....	922
922 Ovules more than 1 (921:).....	923
922: Ovule 1.....	924
923 Placentation free-central (922).....	Caryophyllaceae
923: Placentation axile.....	Molluginaceae
924 Perianth segments scarious (922:).....	Amaranthaceae
924: Perianth segments herbaceous.....	Chenopodiaceae
925 Flowers perigynous; stamens borne on calyx tube (920:).....	Aizoaceae
925: Flowers hypogynous.....	926
926 Shrubs or trees (925:).....	Cunoniaceae
926: Herbs.....	927
927 Ovary 1-locular; leaves opposite or verticillate (926:).....	Caryophyllaceae
927: Ovary 3–5-locular; leaves alternate, often clustered in axils so as to appear verticillate	Aizoaceae
928 Leaves alternate, radical, or absent (813:).....	929
928: Leaves opposite or verticillate.....	945
929 Sepals 2, often caducous; petals 4 (928).....	930
929: Perianth in 1 series, or if in 2 series usually of 3 + 3 segments.....	931
930 Flowers actinomorphic; stamens numerous (929).....	Papaveraceae
930: Flowers zygomorphic; stamens 6.....	Fumariaceae
931 Stamens 5 or more (929:).....	932
931: Stamens 3.....	933
932 Stamens 5 or 6, sometimes with staminodes (931).....	935
932: Stamens more than 6.....	939
933 Climbers with leaf-opposed tendrils (931:).....	Vitaceae
933: Trees or shrubs.....	934
934 Style and stigma 1 (933:).....	Lauraceae
934: Styles 2 or 3.....	Euphorbiaceae
935 Climbers with leaf-opposed tendrils (932).....	Vitaceae
935: Plants without tendrils.....	936
936 Leaves large, compound (935:).....	Burseraceae
936: Leaves simple.....	937
937 Perianth segments united (936:).....	Ebenaceae
937: Perianth segments free.....	938
938 Leaves with ochrea (937:).....	Polygonaceae
938: Leaves without ochrea.....	Euphorbiaceae

Key to families

939 Leafless parasitic twiners (932:)	Lauraceae
939: Non-twiners	940
940 Style and stigma 1 (939:)	941
940: Styles or stigmas 2 or 3	944
941 Flowers with 1 or more long spurs (940)	Ranunculaceae
941: Flowers lacking spurs	942
942 Ovary 1-locular (941:)	Lauraceae
942: Ovary 2- or more-locular	943
943 Leaves gland-dotted (942:)	Rutaceae
943: Leaves not gland-dotted	Elaeocarpaceae
944 Perianth segments free (940:)	Polygonaceae
944: Perianth segments united	Ebenaceae
945 Stamens 3 (928:)	Elatinaceae
945: Stamens 9 or more	946
946 Stamens 9, usually with 3 staminodes (945:)	Lauraceae
946: Stamens 10 or indefinite	947
947 Woody climbers (946:)	Monimiaceae
947: Non-climbers	948
948 Leaves trifoliolate (947:)	Cunoniaceae
948: Leaves not trifoliolate	949
949 Herbs (948:)	Lythraceae
949: Shrubs or small trees	950
950 Carpels 2 (949:)	Aquifoliaceae
950: Carpels 4–15	Sonneratiaceae
951 Plants parasitic (mistletoes) (782:)	Loranthaceae
951: Plants not parasitic	952
952 Leaves alternate, radical, or absent (951:)	953
952: Leaves opposite or verticillate	973
953 Leaves gland-dotted (952)	954
953: Leaves not gland-dotted, or leaves absent	955
954 Stamens 10 (953)	Combretaceae
954: Stamens indefinite	Myrtaceae
955 Perianth actinomorphic (953:)	956
955: Perianth zygomorphic	971
956 Perianth quite entire, or of 3 segments (955)	Aristolochiaceae
956: Perianth of 4–6 segments	957

957	Perianth segments 4 (956:)	958
957:	Perianth segments 5 or 6	963
958	Stamens 2 or 4 (957)	959
958:	Stamens 5 or more	960
959	Stamens 2 (958:)	Gunneraceae
959:	Stamens 4	961
960	Stamens 5 (958:)	Asteraceae
960:	Stamens 6 or more	Aizoaceae
961	Flowers not in umbels or heads (959:)	Santalaceae
961:	Flowers in umbels or heads	962
962	Flowers in umbels (961:)	Araliaceae
962:	Flowers in heads surrounded by involucre bracts	Asteraceae
963	Stamens 5 (957:)	964
963:	Stamens more than 5	969
964	Anthers united around style (963)	Asteraceae
964:	Anthers free	965
965	Herbs (964:)	Apiaceae
965:	Shrubs or trees	966
966	Styles 2, free (965:)	Araliaceae
966:	Style 1, with 1 or 2 stigmas	967
967	Stamens opposite perianth segments (966:)	Santalaceae
967:	Stamens alternating with perianth segments	968
968	Leaves simple and entire (967:)	Rhamnaceae
968:	Leaves compound or dissected	Araliaceae
969	Leaves compound (963:)	Araliaceae
969:	Leaves simple	970
970	Trees; stamens usually 10 (969:)	Combretaceae
970:	Herbs or shrubs; stamens usually indefinite	Aizoaceae
971	Fruit a cypsella (955:)	Asteraceae
971:	Fruit a nut, a many-seeded capsule, or fleshy and indehiscent	972
972	Stigmas 1 or 2, each with indusium (pollen cup surrounding stigma) (971:)	Goodeniaceae
972:	Stigmas 3–6, without indusium	Aristolochiaceae
973	Leaves gland-dotted (952:)	Myrtaceae
973:	Leaves not gland-dotted	974
974	Perianth segments 3 or 4 (973:)	975
974:	Perianth segments 5 or 6	984

Key to families

975 Perianth segments 3 (974).....	Rubiaceae
975: Perianth segments 4.....	976
976 Stamens 2–5 (975:).....	977
976: Stamens 8 or more.....	978
977 Stamens 2 (976).....	Thymelaeaceae
977: Stamens 4 or 5.....	980
978 Stamens 8 (976:).....	Cunoniaceae
978: Stamens numerous.....	979
979 Leaves simple (978:).....	Myrtaceae
979: Leaves compound or unifoliolate.....	Flacourtiaceae
980 Stamens 4 or 5; anthers fused together (syngenesious) (977:).....	Asteraceae
980: Stamens 4; anthers not syngenesious.....	981
981 Aquatic herbs (980:).....	Haloragaceae
981: Plants not aquatic.....	982
982 Leaves in whorls of 4–8 (981:).....	Rubiaceae
982: Leaves opposite.....	983
983 Stamens alternating with perianth segments (982:).....	Rubiaceae
983: Stamens opposite perianth segments.....	Santalaceae
984 Perianth segments 5 (974:).....	985
984: Perianth segments 6.....	989
985 Stamen 1 (984).....	Valerianaceae
985: Stamens 5 or more.....	986
986 Stamens indefinite (985:).....	Aizoaceae
986: Stamens 5.....	987
987 Anthers syngenesious (986:).....	Asteraceae
987: Anthers free.....	988
988 Anthers opposite perianth segments (987:).....	Santalaceae
988: Anthers alternating with perianth segments.....	Rubiaceae
989 Leaves compound (984:).....	Caprifoliaceae
989: Leaves simple.....	990
990 Stamens 3 (989:).....	Rubiaceae
990: Stamens 10 or more.....	991
991 Stamens 10 (990:).....	Portulacaceae
991: Stamens numerous.....	Sonneratiaceae
992 Latex present (2:).....	993
992: Latex absent.....	994

993	Styles or stigmas 3 or more (992)	Euphorbiaceae
993:	Style or stigma 1.....	Moraceae
994	Succulent herbs 5–10 cm high, parasitic on roots; leaves absent or scale-like (992:)	Balanophoraceae
994:	Plants not parasitic; leaves green if present.....	995
995	Flowers mostly unisexual (994:).....	996
995:	Flowers mostly bisexual	1008
996	Climbers or twiners (995).....	997
996:	Non-climbers.....	998
997	Placentation apical (996).....	Cannabaceae
997:	Placentation basal.....	Piperaceae
998	Leaves alternate (996:).....	999
998:	Leaves opposite.....	1000
999	Leaves in whorls of 4 or more, or reduced to scales (998).....	1001
999:	Leaves not as above.....	1002
1000	Aquatic herbs, usually non-littoral; seeds endospermic (998:).....	Callitrichaceae
1000:	Littoral shrubs; seeds non-endospermic	Bataceae
1001	Shrubs or trees; leaves reduced to minute scales (999).....	Casuarinaceae
1001:	Aquatic herbs; leaves entire or divided but not reduced to scales.....	Haloragaceae
1002	Plants monoecious (999:).....	1003
1002:	Plants dioecious	1005
1003	Herbs or undershrubs; flowers in heads (1002).....	Asteraceae
1003:	Trees; flowers otherwise.....	1004
1004	Leaves serrate-crenate; deciduous (1003:).....	Betulaceae
1004:	Leaves entire; evergreen	Euphorbiaceae
1005	Leaves palmately dissected (1002:).....	Cannabaceae
1005:	Leaves not dissected.....	1006
1006	Both male and female flowers in dense spikes (1005:).....	Salicaceae
1006:	Female flowers solitary or racemose; male flowers solitary or in spikes.....	1007
1007	Male flowers in catkins; female flowers with involucre of bracts but no perianth (1006:).....	Balanopaceae
1007:	Male flowers solitary or in open spikes; perianth shallow cup-shaped, inconspicuous	Gyrostemonaceae
1008	Herbaceous plants, growing only on rocks in running water (995:)...	Podostemaceae
1008:	Land plants.....	1009
1009	Stamens 10 or fewer, usually 2 or 3 (1008:).....	Piperaceae
1009:	Stamens indefinite	Mimosaceae

Key to families

Monocotyledons

1010	Plants of marine or brackish habitats (1:)	1011
1010:	Plants of fresh-water or land habitats	1017
1011	Leaves ligulate (1010)	1012
1011:	Leaves eligulate	1014
1012	Plants of brackish habitats (1011)	Zannichelliaceae
1012:	Marine plants	1013
1013	Leaf blade and sheath shed leaving a circular scar (1012:)	Cymodoceaceae
1013:	Leaf blade shed but sheath persistent and fibrous	Posidoniaceae
1014	Leaves with 7 or more longitudinal veins (1011:)	Hydrocharitaceae
1014:	Leaves with 1–5 longitudinal veins	1015
1015	Leaves 1–3 per shoot (1014:)	Hydrocharitaceae
1015:	Leaves 4 or more per shoot	1016
1016	Carpel solitary; stigmas 2, filiform (1015:)	Zosteraceae
1016:	Carpels 4–8; stigma 1, peltate	Ruppiaaceae
1017	Floating plants with 1 or more flat, leaf-like stems 1–8 mm in diameter, cohering by their edges, with or without roots hanging from the undersurface (1010:)	Lemnaceae
1017:	Plants not as above	1018
1018	Flowers unisexual (1017:)	1019
1018:	Flowers bisexual	1042
1019	Leaves opposite or verticillate (1018)	1020
1019:	Leaves alternate, radical, crowded at apex of stem, or absent	1022
1020	Slender, twining land plants (1019)	Dioscoreaceae
1020:	Aquatic or marsh plants	1021
1021	Perianth in male flowers absent or of one segment (1020:)	Najadaceae
1021:	Perianth segments in male flowers 3 + 3; stamens 3–9	Hydrocharitaceae
1022	Leaves simple (1019:)	1023
1022:	Leaves compound	1041
1023	Flowers closely packed in a dense, simple, unbranched spadix, with a usually convolute, coloured, or petal-like spathe arising from base (1022)	Araceae
1023:	Spathe sometimes present, but inflorescence not as above and often branched	1024
1024	Trees or shrubs, rarely climbers; aerial stem woody (1023:)	1025
1024:	Herbs (sometimes large, e.g. banana)	1026
1025	Perianth absent; trees, shrubs, or climbers (1024)	Pandanaceae
1025:	Perianth segments 3 + 3; climbers	Smilacaceae

1026	Flowers inconspicuous, often minute, within imbricate bracts or scales, in heads or spikelets; perianth absent or of 1–8 scales or bristles, usually concealed within bracts (1024:)	1027
1026:	Flowers otherwise	1031
1027	Flowers small in spherical androgynous heads 2–8 mm in diameter without conspicuous bracts; mostly marsh or aquatic plants (1026)	Eriocaulaceae
1027:	Flowers in spikelets surrounded by glume-like bracts	1028
1028	Leaf-sheath with connate margins (1027:)	Cyperaceae
1028:	Leaf-sheath with free margins, sometimes overlapping	1029
1029	Leaves ligulate (1028:)	Poaceae
1029:	Leaves eligulate	1030
1030	Wiry plants with jointed stems (1029:)	Restionaceae
1030:	Tiny, slender plants without erect stems	Hydatellaceae
1031	Aquatic or marsh plants (1026:)	1032
1031:	Land plants	1035
1032	Ovary inferior (1031:)	Hydrocharitaceae
1032:	Ovary superior	1033
1033	Plants dioecious (1032:)	Hanguanaceae
1033:	Plants monoecious	1034
1034	Flowers in cylindrical, terminal spikes (1033:)	Typhaceae
1034:	Flowers in globular, lateral heads	Sparganiaceae
1035	Climbers (1031:)	1036
1035:	Non-climbers	1037
1036	Ovary superior; stems often spiny (1035:)	Smilacaceae
1036:	Ovary inferior; stems not spiny at least in upper part	Dioscoreaceae
1037	Ovary inferior (1035:)	Musaceae
1037:	Ovary superior	1038
1038	Leaves large, pinnately or palmately divided (palms) (1037:)	Areaceae
1038:	Leaves otherwise	1039
1039	Leaves with a well-defined petiole; lamina with many cross-nerves; fruit a fleshy, thick-walled, 1–3-seeded drupe (1038:)	Hanguanaceae
1039:	Leaves without a well-defined petiole; lamina parallel-veined; fruit a berry, capsule or dry and indehiscent	1040
1040	Fruit containing many small dust-like seeds; perianth segments sepeloid; fruit a capsule (1039:)	Juncaceae
1040:	Fruit containing 3 large seeds, or if more than 3, then not dust-like; perianth segments petaloid; fruit a berry, capsule or dry and indehiscent	Liliaceae
1041	Ovary superior (1022:)	Areaceae
1041:	Ovary inferior	Dioscoreaceae

Key to families

1042	Flowers closely packed in a simple spadix, usually with coloured spathe ±enclosing it (1018:)	Araceae
1042:	Flowers not in spadix; inflorescence often branched; spathe sometimes present	1043
1043	Gynoecium apocarpous (1042:)	1044
1043:	Gynoecium syncarpous or carpel 1	1051
1044	Land plants (1043)	1045
1044:	Aquatic or marsh plants	1047
1045	Woody plants; leaves compound, or pinnately or palmately divided (palms) (1044)	Araceae
1045:	Small herbaceous plants; leaves, if present, entire	1046
1046	Saprophyte, lacking chlorophyll; leaves reduced to scales (1045:)	Triuridaceae
1046:	Tufted chlorophyllous herbs; leaves linear	Centrolepidaceae
1047	Perianth segments 2; stamens 6; carpels 3 (1044:)	Aponogetonaceae
1047:	Perianth segments 3 or more	1048
1048	Perianth segments 4; stamens 4; carpels 4 (1047:)	Potamogetonaceae
1048:	Perianth segments 3–6, rarely 4; stamens 3–numerous; carpels 3–numerous	1049
1049	Perianth segments all similar in texture and colour (1048:)	Juncaginaceae
1049:	The two perianth whorls different in texture and/or colour	1050
1050	Gynoecium of 3 or more free carpels; fruits achenes (1049:)	Alismataceae
1050:	Gynoecium of c. 6 free carpels; fruits follicles	Limnocharitaceae
1051	Ovary superior or perianth absent (1043:)	1052
1051:	Ovary inferior	1084
1052	Flowers inconspicuous, often minute, within imbricate bracts or scales (glumes), in spikelets; perianth absent or of 1–8 scales or bristles, usually concealed within bracts (1051)	1053
1052:	Flowers otherwise	1057
1053	Leaves ligulate (1052)	1054
1053:	Leaves eligulate	1055
1054	Embryo visible through fruit wall (1053)	Poaceae
1054:	Embryo not visible through fruit wall	Cyperaceae
1055	Stamens more than 1 (1053:)	Cyperaceae
1055:	Stamen 1	1056
1056	Small annuals; inflorescence simple (1055:)	Centrolepidaceae
1056:	Rhizomatous perennials; inflorescence usually branched	Cyperaceae
1057	Perianth segments 4 or fewer (1052:)	1058
1057:	Perianth segments 6 (rarely 5)	1061
1058	Stamen 1 (1057)	Philydraceae
1058:	Stamens 3 or 4	1059

1059 Stamens 3 (<i>1058:</i>)	Xyridaceae
1059: Stamens 4.....	1060
1060 Leaves alternate; twiners (<i>1059:</i>)	Stemonaceae
1060: Leaves radical; inflorescence spicate.....	Araceae
1061 Leaves compound (palms) (<i>1057:</i>)	Arecaceae
1061: Leaves simple or absent.....	1062
1062 Stems woody; leaves broad (palms) (<i>1061:</i>)	Arecaceae
1062: Not as above.....	1063
1063 Stamens 3 (rarely 2) (<i>1062:</i>)	1064
1063: Stamens 6 (rarely 5).....	1069
1064 Inner perianth segments united (<i>1063</i>)	Xyridaceae
1064: Inner perianth segments free	1065
1065 The two perianth whorls different in texture and/or colour (<i>1064:</i>).....	Commelinaceae
1065: Perianth segments all similar in texture and colour.....	1066
1066 Stamens inserted at base of inner perianth segments (<i>1065:</i>)	Haemodoraceae
1066: Stamens free from perianth	1067
1067 Perianth segments petaloid (<i>1066:</i>).....	Liliaceae
1067: Perianth segments sepaloid	1068
1068 Carpels free or almost free; stigmas sessile (<i>1067:</i>).....	Juncaginaceae
1068: Carpels fused; style 1, stigmas 3	Juncaceae
1069 Leaf tips prolonged into tendrils (<i>1063:</i>).....	1070
1069: Not as above.....	1071
1070 Corolla c. 3 mm long (<i>1069</i>).....	Flagellariaceae
1070: Corolla c. 10 mm long	Liliaceae
1071 The two perianth whorls different in texture and/or colour (<i>1069:</i>).....	1072
1071: Perianth segments all similar in texture and colour.....	1075
1072 Much-branched leafy climbers (<i>1071</i>).....	Smilacaceae
1072: Rosette or scrambling plants	1073
1073 Inflorescence spicate; glandular hairs present (<i>1072:</i>)	Commelinaceae
1073: Flowers solitary or inflorescence cymose; if spicate no glandular hairs	1074
1074 Inner perianth segments fringed (<i>1073:</i>).....	Liliaceae
1074: Inner perianth segments not fringed	Commelinaceae
1075 Perianth segments petaloid (<i>1071:</i>).....	1076
1075: Perianth segments sepaloid	1080
1076 Aquatic plants, floating or rooted (<i>1075</i>)	Pontederiaceae
1076: Land plants.....	1077

Key to families

1077 Coarse woody climbers; venation predominantly reticulate (<i>1076:</i>).....	Smilacaceae
1077: Non-climbers or, if climbers, the venation convergent.....	1078
1078 Inflorescence a tall woody spike (<i>1077:</i>).....	Xanthorrhoeaceae
1078: Inflorescence otherwise	1079
1079 Much-branched leafy climbers (<i>1078:</i>).....	Smilacaceae
1079: Not as above.....	Liliaceae
1080 Marsh or aquatic plants (<i>1075:</i>)	Juncaginaceae
1080: Land plants.....	1081
1081 Climbers (<i>1080:</i>)	Araceae
1081: Non-climbers.....	1082
1082 Style branched; stigmas 3 (<i>1081:</i>).....	Juncaceae
1082: Style 1, simple.....	1083
1083 Inflorescence a tall woody spike (<i>1082:</i>).....	Xanthorrhoeaceae
1083: Inflorescence otherwise	Liliaceae
1084 Flowers gynandrous (i.e. with stamens adnate to pistil) (<i>1051:</i>)	1085
1084: Flowers not gynandrous.....	1087
1085 Flowers strongly gynandrous (<i>1084</i>).....	Orchidaceae
1085: Flowers only weakly gynandrous	1086
1086 Venation pinnate (<i>1085:</i>).....	Cannaceae
1086: Venation convergent.....	Orchidaceae
1087 Submerged aquatics; leaf lamina submerged or floating; styles or stigmas 6, each 2-lobed (<i>1084:</i>)	Hydrocharitaceae
1087: Not as above.....	1088
1088 Leaf lamina deeply dissected (<i>1087:</i>).....	Taccaceae
1088: Leaves entire or with serrate margins	1089
1089 Climbing plants; leaves alternate with many longitudinal veins from midrib; veinlets reticulate (<i>1088:</i>).....	Smilacaceae
1089: Not as above.....	1090
1090 Venation obviously pinnate (<i>1089:</i>).....	1091
1090: Venation convergent (middle vein sometimes stronger than others) parallel, or obscured by the thickness of leaf	1095
1091 Stamens 5 (<i>1090</i>).....	Musaceae
1091: Stamens 1–3	1092
1092 Ligule present at junction of leaf-sheath and lamina (<i>1091:</i>)	1093
1092: Leaves eligulate.....	1094
1093 Leaves 2-ranked (<i>1092</i>)	Zingiberaceae
1093: Leaves more than 2-ranked	Costaceae

1094	Pulvinus present at junction of petiole (or leaf-sheath) and blade (1092:)	.....	Marantaceae
1094:	Pulvinus absent	.....	Cannaceae
1095	Stamens 3 (1090:)	.....	1096
1095:	Stamens 6	.....	1099
1096	Perianth segments united at base (1095)	.....	1097
1096:	Perianth segments free	.....	1098
1097	Anthers with transverse dehiscence (1096)	.....	Burmanniaceae
1097:	Anthers with longitudinal dehiscence	.....	Iridaceae
1098	Ovules 1 or 2 per loculus (1096:)	.....	Haemodoraceae
1098:	Ovules usually several per loculus	.....	Iridaceae
1099	Plant a colourless saprophyte (1095:)	.....	1100
1099:	Plant chlorophyllous	.....	1101
1100	Perianth actinomorphic (1099)	.....	Burmanniaceae
1100:	Perianth zygomorphic	.....	Corsiaceae
1101	Leaf margins serrate (1099:)	.....	Bromeliaceae
1101:	Leaf margins entire	.....	1102
1102	The two perianth whorls different in texture and/or colour (1101:)	.....	Bromeliaceae
1102:	Perianth segments all similar in texture and colour	.....	1103
1103	Flowers in umbels, rarely solitary on a leafless scape (1102:)	.....	Liliaceae
1103:	Flowers in simple or compound racemes	.....	1104
1104	Leaves narrow, up to 20 cm long, arising from an underground rhizome (1103:)	.....	Liliaceae
1104:	Leaves thick, fibrous, up to 2 m long, in tufts at base or apex of trunk-like stem	.....	Agavaceae