

Subclass III - Monochlamydeae

1. Plants parasiticLoranthaceae

1. Plants not parasitic :

2. Flowers all bisexual :

3. Ovary superior :

4. Leaves exstipulate :

5. TreesProteaceae

5. Herbs or shrubs :

6. Fruit an achene enclosed

in the perianthNyctaginaceae

6. Fruit a membranous utricle :

7. Flowers bracteate :

8. Bracts and tepals

hyaline, membranous....Amaranthaceae
(in part)

8. Tepals fleshy, not

membranousBasellaceae

7. Flowers ebracteate;

tepals greenChenopodiaceae

- 4. Leaves with ocreate stipulesPolygonaceae
- 3. Ovary inferior :
 - 9. Plants usually trailing; flowers
irregular, gynostemium presentAristolochiaceae
 - 9. Small trees; flowers regular,
gynostemium absentSantalaceae
- 2. Flowers unisexual or polygamous :
 - 10. Male and/or female flowers in
spikes or catkins :
 - 11. Fruits 1-seeded, crowded into
a coneCasuarinaceae
 - 11. Fruits not as above :
 - 12. Ovary 3-celledEuphorbiaceae
(in part)
 - 12. Ovary 1-celled :
 - 13. Plants with stinging hairs...Urticaceae
 - 13. Plants without stinging
hairs; glabrousAmaranthaceae
(in part)
- 10. Flowers not in spikes or catkins :

2. Flowers much reduced, in the axils of
dry, chaffy scales (glumes), arranged
in spikelets :
 3. Stems generally solid and
triangular; fruit an acheneCyperaceae
 3. Stems generally hollow and cylindrical;
fruit a caryopsisPoaceae
2. Flowers not as above, usually showy,
rarely inconspicuous, but not in the
axils of dry chaffy scales (glumes) :
 4. Plants aquatic, semi-aquatic or
marsh-loving :
 5. Carpels 1 or more, usually distinct :
 6. Flowers unisexual, super-imposed,
in dense spikesTyphaceae
 6. Flowers unisexual or bisexual, but
are not arranged as above :
 7. Ovary inferiorHydrocharitaceae
(in part)
 7. Ovary superior :
 8. Perianth showyAlismataceae

8. Perianth inconspicuous or none.....Potamogetonaceae

5. Carpels united into a syncarpous ovary :

9. Ovary inferior :

10. Flowers solitary on a spiral

peduncleHydrocharitaceae
(in part)

10. Flowers in umbelsAmaryllidaceae

9. Ovary superior :

11. Leaves grass-like, flowers in

terminal, capitate headsEriocaulaceae

11. Leaves not grass-like; flowers

not as aboveCommelinaceae
(in part)

4. Plants terrestrial :

12. Plants climbing or straggling :

13. Flowers unisexualDioscoreaceae

13. Flowers bisexualLiliaceae
(in part)

12. Plants not as above :

14. Plants distinctly woody :

- 15. Leaves radical; flowers on stout,
long scapesAgavaceae
- 15. Leaves not radical :
 - 16. Leaves simple, spinulose on
the marginsPandanaceae
 - 16. Leaves simple (palmate) or compound
(pinnate), margins not spinulose...Arecaceae
(in part)
- 14. Plants not woody :
 - 17. Ovary inferior :
 - 18. Stamens 6, all fertileHypoxidaceae
 - 18. Stamens less than 6 :
 - 19. Fertile stamens 1 or 2, the
others often becoming petaloid
staminodes or forming labellum :
 - 20. Anthers 2-celledZingiberaceae
 - 20. Anthers 1-celledCannaceae
 - 19. Fertile stamens 5Musaceae
 - 17. Ovary superior :

