

Green algae

Division Chlorophyta

Class Chlorophyceae

➤ Ecology

➤ Life cycles (M, h; M, d; D, h+d)

➤ Classification (> 25 orders)

[Unicellular, colonial, filamentous, coenocyte, membranous)

➤ Order 1: Chlorococcales [non motile, unicellular or colonial]

Example: *Chlorella* (Autospores, asexual)

*Hydrodictyon* (M, h).

➤ Order 2: Volvocales [Motile, unicellular or colonial]

Example: *Chlamydomonas* (M, h)

*Volvox* (M, h).

➤ Order 3: Ulotrichales [Filamentous, unbranched]

Example: *Ulothrix* (M, h).

- Order 4: Cladophorales [Filamentous, branched,  
Example: *Cladophora* (D, h+d)
  
- Order 5: Caulerpales [Coenocyte]  
Example: *Codium* (M, d).
  
- Order 6: Ulvales [Membranous or parenchymatous]  
Example: *Ulva* (D, h+d).