

Bacillariophyta

Bacillariophyceae

- > 10,000 species
- Freshwaters, sea waters, phytoplankton (food chains)
- Chlorophyll a, Chlorophyll c, carotenes, fucoxanthin.
- Diatomaceous Earth, silica
- Pennate diatoms (Order Pennales, *Navicula*...)
- Centric diatoms (Order Centrales, *Coscinodiscus*...)
- Epitheca, hypotheca, girdle, raphe
- Reproduction:
 - Asexual (reduction in size)
 - Sexual (Auxo spores, increase in size, M, d life cycle)