

## Euglenophyta

### Euglenophyceae

- 45 genera, > 1,000 species, 1/3 Photosynthetic (Photosynthetic orders: Euglenales, Eutreptiales, Euglenamorphales).
- Chlorophyll a, Chlorophyll b, Beta carotene, Xanthophylls.
- Low to high pH waters, Eutrophic to oligotrophic conditions.
- Morphology: Spindle-shaped, no true cell walls, plasma membrane + proteinaceous pellicle.
- Canal, reservoir, flagella, eyespot, positive or negative photo taxis, contractile vacuoles, chloroplasts with pyrenoids, mitochondria, Golgi, large nucleus.
- Storage product: paramylon.
- Asexual reproduction.
- Nutrition: phototrophic, heterotrophic...