

Biology

Classification information

Organism (common name): Green algae

Name _____

Kingdom: Protista

Order:

Species:

Phylum: Chlorophyta

Family:

Class:

Genus:

Scientific name:

1. **Special description:** pigments (chlorophyll a and b, and carotenoids)
2. **Habitat:** aquatic (fresh and marine), some terrestrial
3. **Symmetry/shape:** Unicellular N/A, nondescript shape
4. **Organization:** Unicellular; simple colony, some form thallus
5. **Integument:** unicellular, cell wall
6. **Skeleton:** Unicellular N/A
7. **Musculature:** Unicellular N/A
8. **Movement:** Sessile, floaters
9. **Behavior/activity:** Taxes, Migrates toward food, retreats from glass
10. **Nervous system:** Unicellular, N/A
11. **Senses/detection:** Unicellular, chemotaxis
12. **Nutrition:** Heterotrophic, starch storage
13. **Digestive:** phagocytosis, food vacuole, enzymes
14. **Circulation:** Unicellular diffusion
15. **Respiration-ventilation:** Unicellular, diffusion
16. **Final electron acceptor:** O₂
17. **Excretory:** Unicellular egestion
18. **Reproduction:** asexual, mitosis, 3 day cycle
19. **Life cycle/embryology:** Unicellular asexual-sexual
20. **Classification:** 1) Pigments, 2) Food storage, 3) Cell wall composition