

## Biology

### Classification information

Organism (common name): Yellowish brown

Name \_\_\_\_\_

Kingdom: Protista

Order:

Species:

Phylum: Pyrrophyta

Family:

Class:

Genus:

Scientific name:

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1. **Special description:** pigments (chlorophyll a and b, and carotenoids), Includes the dinoflagellates, Some are bioluminescent, The cause of red tide in warm waters due to blooming (rapid growth), Secrete poison that kills fish
2. **Habitat:** marine and fresh water
3. **Skeleton:** Unicellular N/A
4. **Symmetry/shape:** Unicellular N/A, nondescript shape
5. **Organization:** Unicellular
6. **Movement:** Single cells having two flagella
7. **Behavior/activity:** Taxes, Migrates toward food, retreats from glass
8. **Nervous system:** Unicellular, N/A
9. **Senses/detection:** Unicellular, chemotaxis
10. **Integument:** unicellular, multi-sided cellulose
11. **Musculature:** Unicellular N/A
12. **Nutrition:** Heterotrophic, Carbohydrate storage
13. **Digestive:** phagocytosis, food vacuole, enzymes
14. **Final electron acceptor:** O<sub>2</sub>
15. **Circulation:** Unicellular N/A, diffusion
16. **Excretory:** Unicellular N/A, egestion, diffusion
17. **Reproduction:** Sexual
18. **Respiration-ventilation:** Unicellular N/A diffusion
19. **Circulatory:** Unicellular diffusion
20. **Life cycle/embryology:** Unicellular
21. **Classification:** 1) Pigments, 2) Food storage, 3) Cell wall composition