

PROTIST NOTES

Mr. Peterson

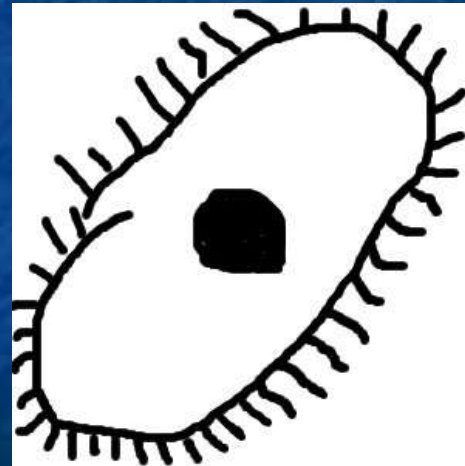
Animal-like Protists

- From Bacteria to Plants (small book B) pages 37B - 40B.
- General Characteristics
 - All are heterotrophs
 - Known as protozoans
 - Unicellular (one celled)
 - Classified by how they move

Animal-like Protists

■ Ciliates

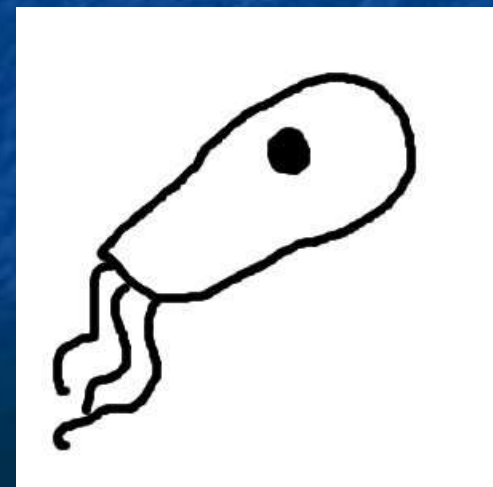
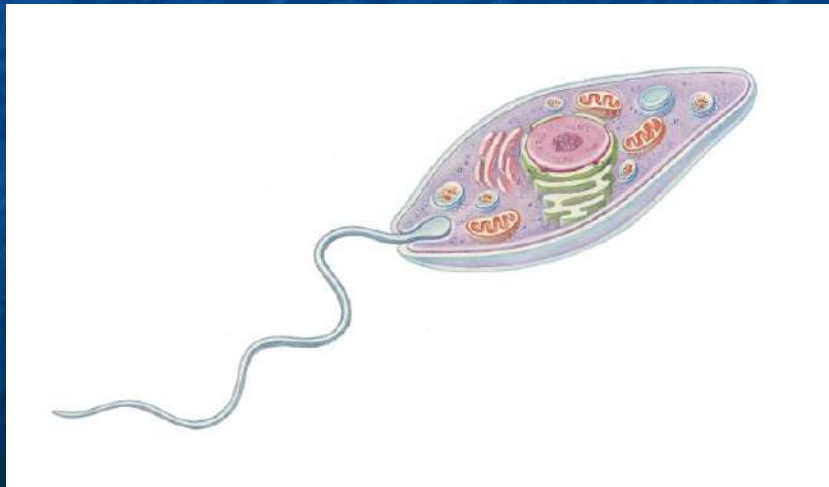
- Have cilia = short, threadlike structure
- Example: Paramecium



Animal-like Protists

■ Flagellates

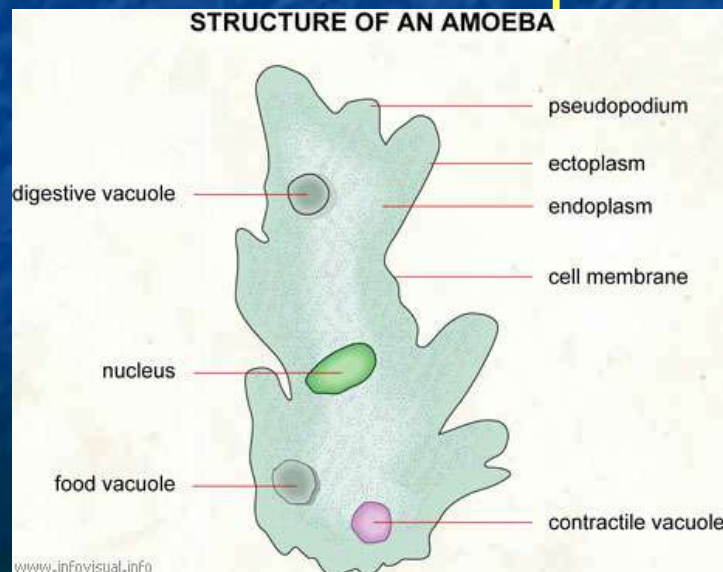
- Move by using flagella
- Some are parasites
- Some for symbiotic relationship



Animal-like Protists

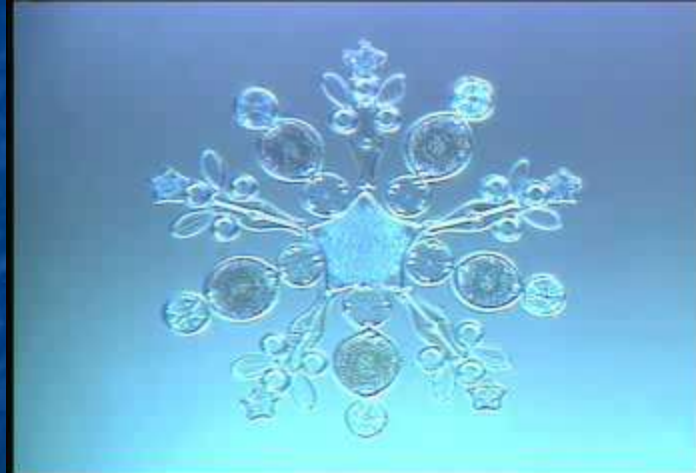
■ Sarcodines

- Move with pseudopods (temp extensions of cytoplasm)
- Also feed with pseudopods



Animal-like Protists

- Other protozoans
 - Parasites



Fungus-like Protists

- From Bacteria to Plants (small book B) pages 40B – 42B.
- General Characteristics
 - Produces spores (like fungi)
 - Most move place to place using pseudopods
 - Heterotrophs
 - Have cell walls

Fungus-like Protists

■ Slime Molds

- Feed on decaying logs/leaves in moist, cool, shady environments
- Many different colors



Fungus-like Protists

- Water Molds and Downey Mildews
 - Molds- mass of thread like/fuzzy, white growths (caused potato famine)
 - Mildews- live on above –ground parts of plants



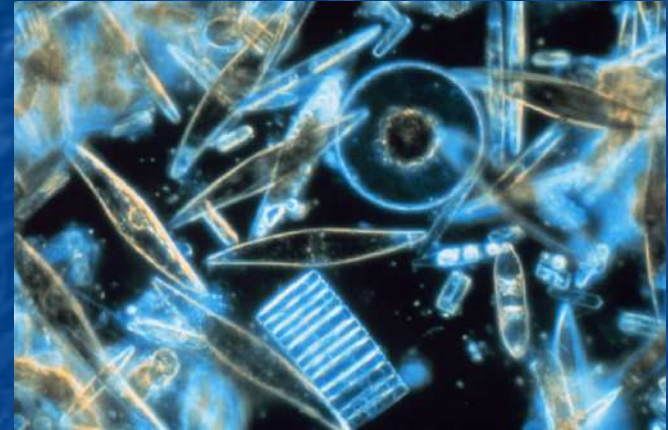
Plant-like Protists

- From Bacteria to Plants (small book B) pages 33B – 36B.
- General Characteristics
 - Contain chlorophyll in chloroplasts = able to make own food (autotroph)
 - Known as algae
 - Unicellular OR Multicellular

Plant-like Protists

■ Diatoms

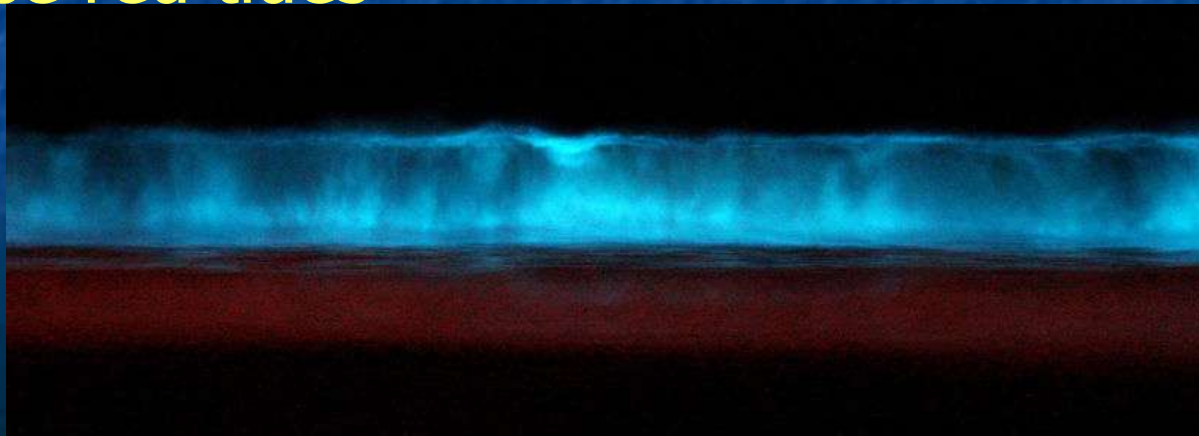
- Glasslike boxes around them
- Fresh and salt water
- Unicellular
- Used in toothpaste and polishes



Plant-like Protists

■ Dinoflagellates

- Two flagella and unicellular
- Salt water
- Many glow
- Cause red tides



Plant-like Protists

■ Euglenoids

- Eyespot helps move toward light
- Unicellular
- Can change to be heterotroph




Plant-like Protists

- Red Algae
 - Red colors absorb light
 - Multicellular seaweed
 - Live 200M deep in ocean
 - In foods like ice cream
 - Carrageenan
 - Alginates
 - Beta Carotene



Plant-like Protists

- Green Algae

- Multicellular seaweed or Unicellular
 - Green color/pigment
 - Fresh water
- 

Plant-like Protists

■ Brown Algae

- Multicellular seaweed
- Saltwater
- Brown Pigment (Kelp)



Protists Brain Pop