

# Kingdom Protista

- Conglomerate of organisms which do not fit into other 5 Kingdoms
- Bacteria, Eubacteria, Animalia, Plantae, Fungi
- They represent the intermediate step in the evolution of the other three kingdoms
- Protozoan is the Greek word for "first animal"
- Contains about 65,000 species

## Kingdom Protista

- Made up of a complex eukaryotic cell (unicellular) or cells (multicellular)
- Can inhabit aquatic or terrestrial environments
- Some members make their own food (autotrophs)
- Some ingest food from outside (heterotrophs)

## Divided into 3 Subcategories

Animal like Fungus Like Plant like
• Heterotrophs, slime mold Contains chlorophyll grouped by locomotion







### **Animal Like Protists**

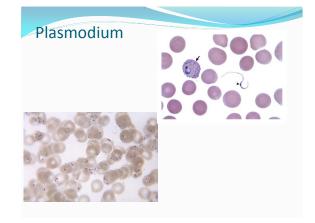
All heterotrophs

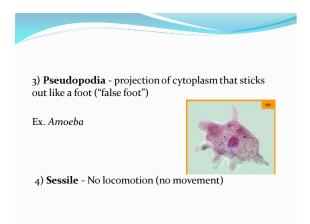
classified by the 4 ways they move:

 Cilia – Coordinated tiny beating hair-like structures movement between individual cilia ex. *Paramecium*



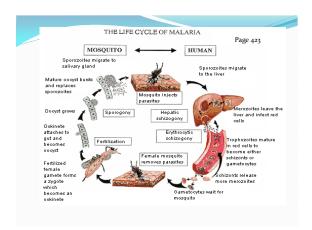
2) Flagellum(a) - whip-like tail(s) Back and forth wave motion ex. *Plasmodium* 





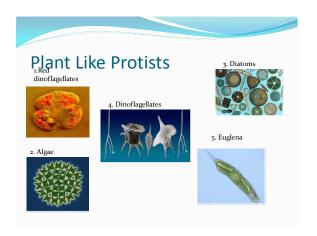
# Characteristics of Sporozoans (Animal-like)

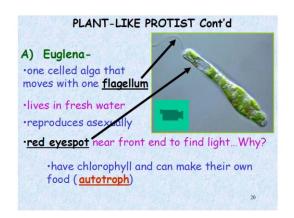
- · Sporozoa do not move on their own
- protist that reproduce by forming spores
- mostly common in tropical areas
- they are usually parasitic
- sporozoans named Plasmodium causes malaria
- humans get malaria when bitten by an infected mosquito



#### **Plant Like Protists**

- Have chlorophyll
- Make their own food
- They can live in 4 main environments:
- 1. Soil 2. tree bark 3. freshwater 4. salt water
- they produce large amounts of oxygen which are used by other living organisms
- they are grouped according to color & structure
- into 5 main groups:





## b)Red Tides caused by Dinoflagellates



#### C) Green Algae

- Come in many different forms
- can be unicellular or multicellular
- they produce O2 in H2O
- usually found in "colonies"
- serve as food for fish, snails, and crayfish
- · Colony a group of cells that live together







# **Fungus Like Protists**

#### **Slime Molds:**

- •fungus-like protists that are consumers
- •live in cool, damp places EX: forest floor
- •feed on bacteria growing on rotting logs and decaying leaves
- •some are parasites (very few)







#### Fun Work

#### Viruses

- Page 400-411 (read)
- Page 405 Q 1,2,3,6
- Page 411 1,2,3,6
- + Start working on Bacteria and Viruses Assignment
- Protist Homework:
- 1 worksheet Common protists on page 420-425