

Today's goals....

- *To describe Kingdom: Protista*

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Mini Quiz: Daily
Topic Quiz: Friday
Unit Exam: 11/22

The dichotomous key shown below can be used to identify birds W, X, Y, and Z.



Bird W



Bird X



Bird Y



Bird Z

Dichotomous Key to Representative Birds	
1. a. The beak is relatively long and slender.....	<i>Certhidea</i>
b. The beak is relatively stout and heavy.....	go to 2
2. a. The bottom surface of the lower beak is flat and straight	<i>Geospiza</i>
b. The bottom surface of the lower beak is curved	go to 3
3. a. The lower edge of the upper beak has a distinct bend	<i>Camarhynchus</i>
b. The lower edge of the upper beak is mostly flat	<i>Platyspiza</i>

1. Bird X most likely falls under which classification?
 - a. *Certhidea*
 - b. *Geospiza*
 - c. *Camarhynchus*
 - d. *Platyspiza*

D

2. Why are Protists considered the “Junk Drawer Kingdom”?

They do not fall into the other 4 kingdoms

3. What are the 3 protists we will be learning about?

Amoeba, Paramecium and Euglena

5 Kingdoms of Life

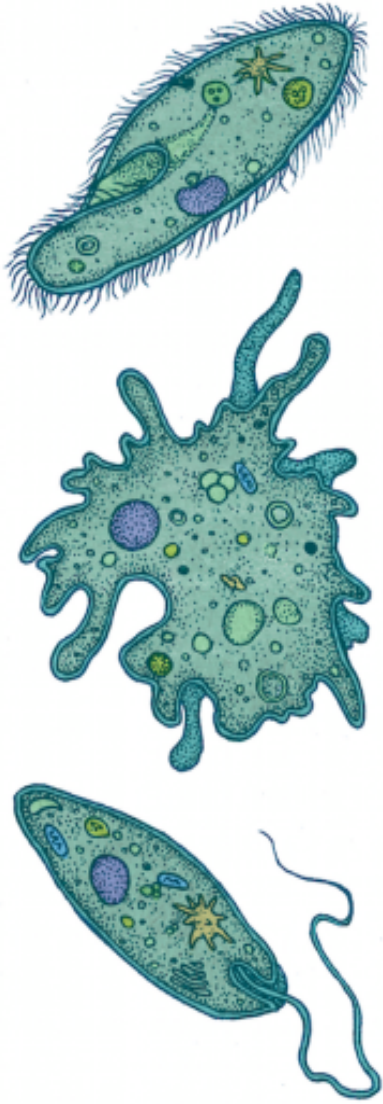
✓ Plants

✓ Animals

Fungi

Protists

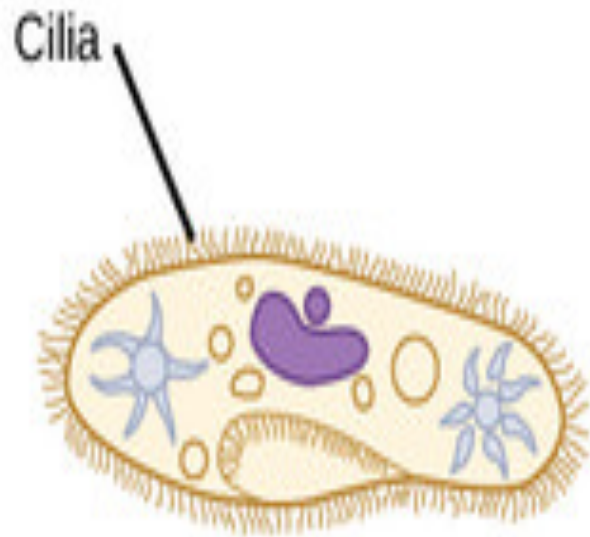
Monera



Locomotion = Movement

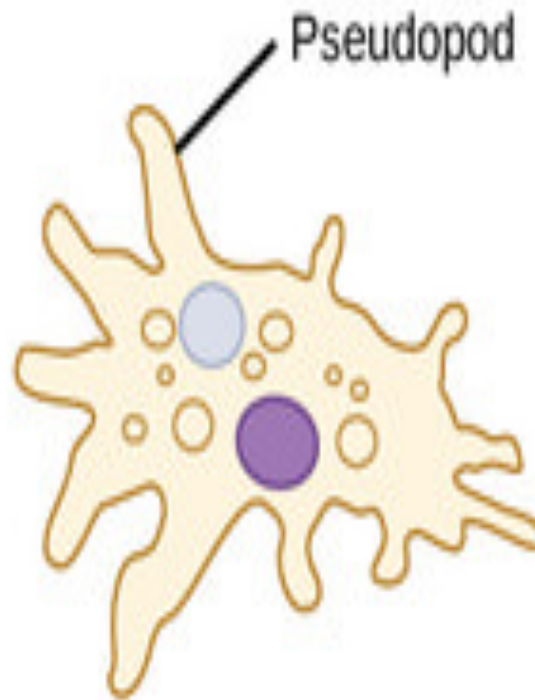


Paramecium



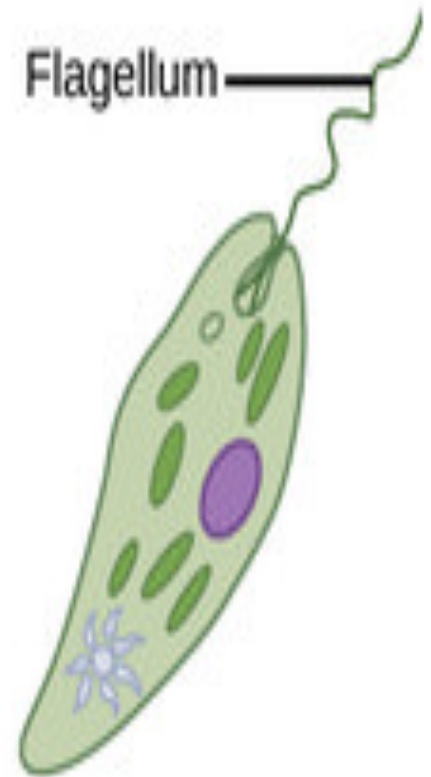
(a)

Amoeba



(b)

Euglena



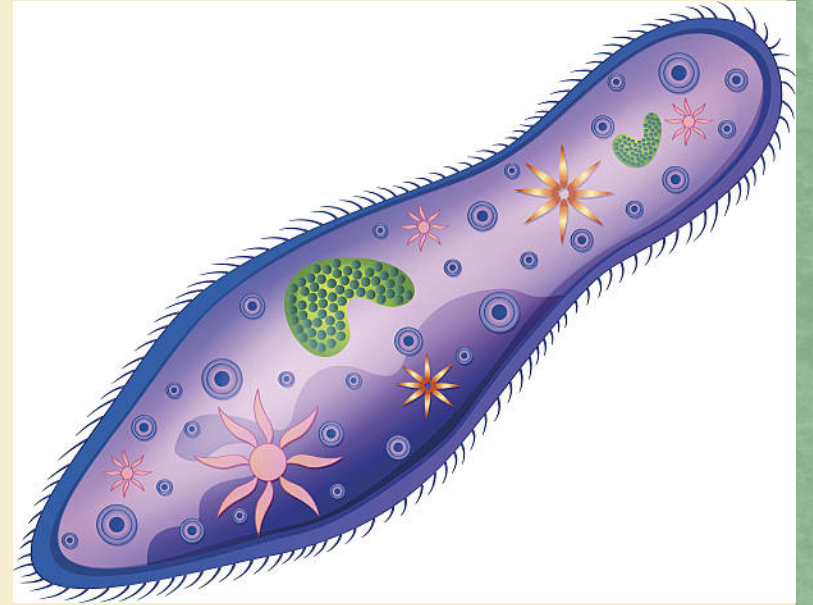
(c)

Paramecium

Energy Source: Heterotrophic

Mobility/ Locomotion: Cilia “Hair Like”

Unique: Elongated & Oral groove

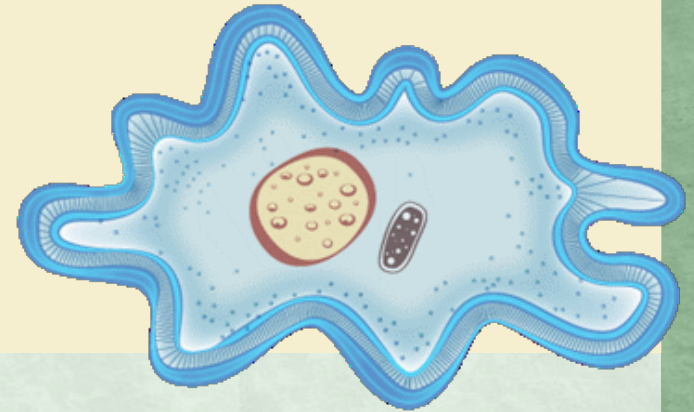


Amoeba

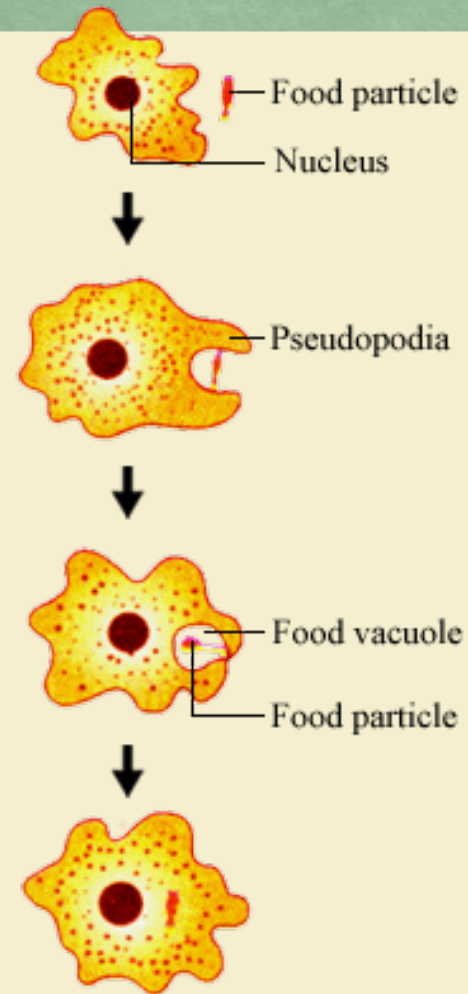
Energy Source: Heterotrophic= Phagocytosis=Wrap around food

Mobility/ Locomotion: Pseudopod= “False Feet”

Unique: Food Vacuoles



Amoeba



Heterotrophic= Phagocytosis=Wraps around food

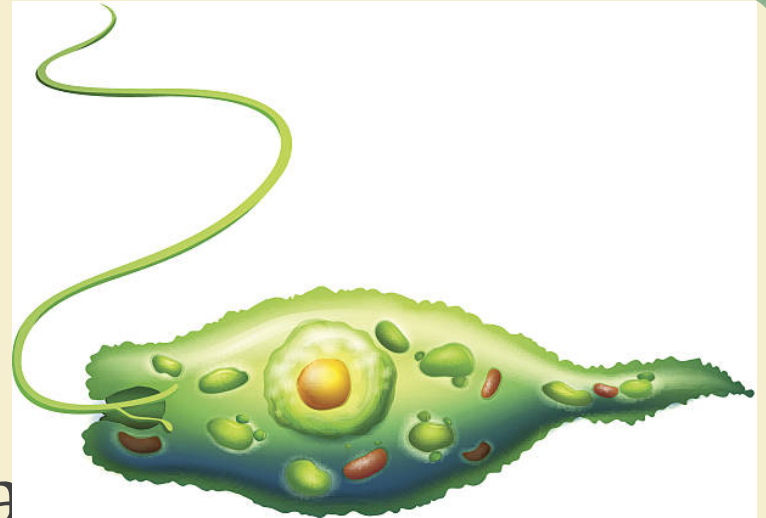
Euglena

Energy Source: Autotrophic

Mobility/ Locomotion: Flagella

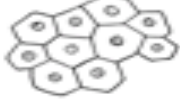




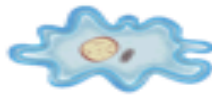
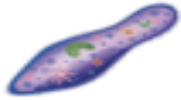
Unique: Eye spot (Stigma), Pear Shaped
Chlorophyll (Green Color)

****Autotrophic = Green Color****



1. FOSSIL EVIDENCE

Word Bank: *Terms are underlined and description is in italics.*

 <u>Multicellular</u>	 <u>Unicellular</u>	<i>Has a Nucleus (Eu=True Nucleus)</i> <u>Eukaryotic</u>	<i>Lacks a Nucleus (Pro=NO)</i> <u>Prokaryote</u>	<i>Protects the DNA in a cell</i> <u>Nucleus</u>	 <u>Heterotrophic</u>	 <u>Autotrophic</u>
<i>"Whip-Like"</i> Flagella	<i>"Hair-Like"</i> Cilia	<i>"False-Feet"</i> Pseudopod	<i>Protists</i> ----->	 <i>Euglena</i>	 <i>Amoeba</i>	 <i>Paramecium</i>

Use the word bank above and your class notes to complete the chart below.

Kingdom	Cell Number <i>Unicellular/Multicellular</i>	Cell Type <i>Prokaryote/Eukaryote</i>	Energy Source <i>Autotrophic/Heterotrophic</i>	Mobility/Locomotion <i>Flagella/Cilia/Pseudopod</i>
Protist: Euglena	Unicellular	Eukaryote	Autotrophic	Flagella
Protist: Amoeba	Unicellular	Eukaryote	Heterotrophic.	Pseudopod
Protist: Paramecium	Unicellular	Eukaryote	Heterotrophic	Cilia