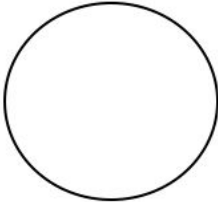
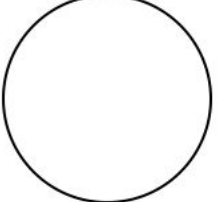
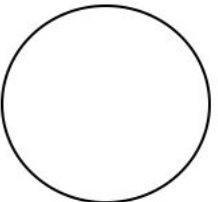
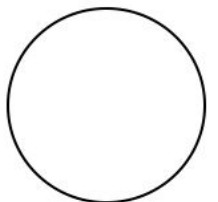


Supergroup Excavata

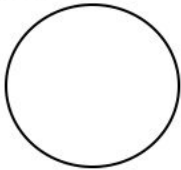
6-3 Observe *Euglena* and *Trypanosoma* (#1505). Label the distinctive long flagella.

Specimen _____	Specimen _____
Mag: _____	Mag: _____
	

The "SAR" Clade – Stramenopiles – Diatoms **6-4** Examine the slides of diatoms provided. Identify examples of both the centrate and the pinnate morphologies and label them.

Specimen _____	Specimen _____
Mag: _____	Mag: _____
	

6-5 Golden Algae *Synura*, considered by some to be a member of the **Phylum Heterokontophyta**.

Specimen _____
Mag: _____


6-6 Brown Algae, formerly Phylum Phaeophyta. Include and label two of the specimens of brown algae.

Specimen _____	Specimen _____
	

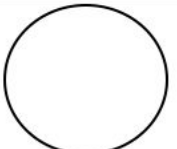
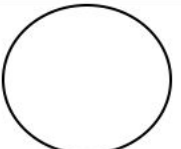
6-7 *Sargassum* is an alga well-known to ancient (and modern) mariners for reasons such as the Sargasso Sea. Where is this sea? What type of fish is famously known to use the sea in their reproductive biology?

The "SAR" Clade – Alveolates

6-8 What do you think is the specific locomotory effect of these two strategically oriented flagella?

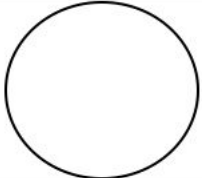
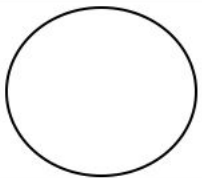
6-9 Locate the dinoflagellate, *Ceratium*. Can you see the two large flagella?

6-10 Draw the Malaria-infected cells in and amongst the normal red blood cells (RBC) in the prepared slide (*Plasmodium* smear). Label which is the protist and which is the RBC.

6-9 Specimen: _____	6-10 Specimen: _____
Mag: _____	Mag: _____
	

The "SAR" Clade – Alveolates - Ciliates

6-11 Observe *Paramecium*. Look for and label the two types of nuclei in the cell: the macronucleus and the several micronuclei. Also label the oral groove. **6-12** Observe *Stentor*: Label the cilia as well as the unique 'string-of-pearls' nucleus.

6-11 Specimen: _____	6-12 Specimen: _____
Mag: _____	Mag: _____
	

6-13 Observe *Vorticella*. Label the long thread-like stalk that anchors the cell to the substrate, and the whirl of cilia is used in the collection of food particles.

6-14 Observe *Didinium*: Label the rings of cilia around the cell body.

6-13 Specimen: _____	6-14 Specimen: _____
Mag: _____	Mag: _____
	

The "SAR" Clade – Rhizaria- 6-16 Examine *Foraminifera* (#1407). Label the pores in the test. **6-17** Examine radiolarians (#8407). Label the pores in its test.

6-16 Specimen: _____	6-17 Specimen: _____
Mag: _____	Mag: _____
	

Supergroup Archaeplastida – Rhodophyta 6-18 Include and label two of the specimens of red algae.

	
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Supergroup Archaeplastida – Green Algae (Chlorophyta + Charophyta)

5-19 Identify and label the following: *Ulva*, *Spirogyra*, and *Volvox*, and one example of a chlorophyte alga.

6-19 Specimen: _____	6-19 Specimen: _____
Mag: _____	Mag: _____
	
6-19 Specimen: _____	6-19 Specimen: _____
Mag: _____	Mag: _____
	

Supergroup Unikonta - Ameobozoa

6-20 Examine the classic example of an amoeboid, <i>Amoeba proteus</i>	Specimen: _____
	Mag: _____
	

6-21 Identify <i>Physarum</i> , a species of plasmodial slime mold. Do you see any evidence of amoeboid-type cells?	Specimen: _____
	Mag: _____
