

Name \_\_\_\_\_

Period \_\_\_\_

### **Protist Lab**

1. Organs and systems like your heart, lungs or nervous system are made up of many cells. How do you think these single celled organisms carry out life's functions (example, circulation, digestion, reproduction, etc.) without multi-celled organs?
2. Find the nucleus in each protist. What is it for?
3. Which protist is most like a plant? Why?
4. Each protist moves in a very different way. Describe how each protist moves:
  - a) Amoeba
  - b) Paramecium
  - c) Euglena
5. Which protist can move the fastest? Rank the protists from 1 to 3 (1 is the fastest)
6. Sponges (which feed by filtering food from the water) also have flagella. However, sponges don't move. What do you think sponges use their flagella for?
7. Did you know that humans have cilia and flagella? Where might they be located?
8. It is thought that multicellular animals evolved from single-celled protists such as these. How might this have happened? Think about it for a bit and give your best hypothesis.