

Unit 1 Handout \_\_\_\_\_

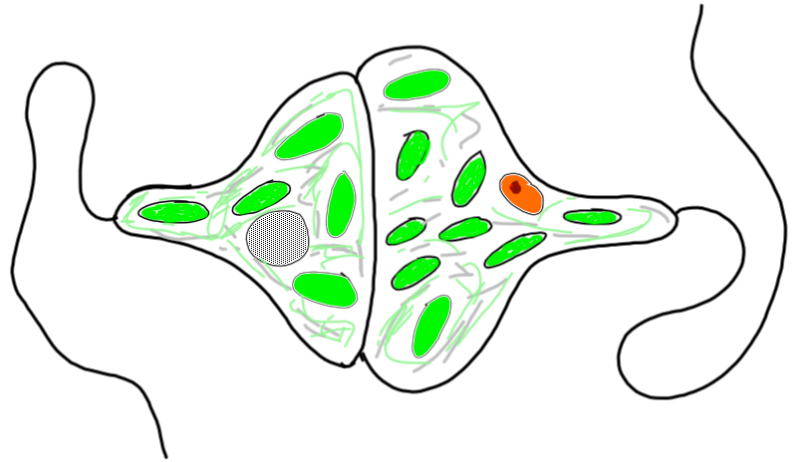
## Lesson 6: Mystery Protists

**Purpose:** To apply our learned knowledge of protists to describing and classifying unknown protists.

**Guiding Question:** How do scientists classify and describe protists?

**Instructions**

Having now observed 4 different protists (amoeba, volvox, paramecium, and euglena). Below are two imaginary protists. It is up to you to determine how these protists would be classified and described. The questions are guided to help you structure your answers.

**Protist 1**

1. What structure does this organism use to move?

\_\_\_\_\_

2. Label at least 3 cell parts of this protist. Label them in the actual drawing. **Do not label the cytoplasm or cell membrane as cell parts.**

3. Is this protist a heterotroph or an autotroph? \_\_\_\_\_

4. Explain how you determined your answer for number 3. To receive full credit, list cell part(s) the protist has that helped you determine your answer.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

5. How would this protist be classified: protozoa or algae? \_\_\_\_\_

6. Explain how you decided your answer for number 5.

\_\_\_\_\_  
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 \_\_\_\_\_

**Protist 2**

1. What structure does this organism use to move?

\_\_\_\_\_

2. Label at least 3 cell parts of this protist. (Label them in the actual drawing. **Do not label the cytoplasm or cell membrane as cell parts.**)

3. Is this protist a heterotroph or an autotroph?

\_\_\_\_\_

4. Explain how you determined your answer for number 3. Use evidence (ex: specific parts or features) that support your answer.

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5. How would this protist be classified: protozoa or algae? \_\_\_\_\_

6. Explain how you decided your answer for number 5.

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