

OBSERVING PROTISTS LAB

Background:

Protists are mostly single-celled eukaryotes. They are a diverse group with varying features. We subdivide protists into animal-like, plant-like, and fungus-like categories.

Predict: (1)

What do you think are some distinguishing features of plant-like protists?

Procedure:

You are to prepare a wet mount slide of *Euglena* and observe it under medium or high power magnification. Create a proper microscope drawing that is labelled with the magnification of the drawing and calculations for the actual cell length.

Observations: (3)

Create a properly labelled microscope drawing with calculations for cell length and magnification of the drawing.

Explanation:

In complete sentences, analyze your observations. Include the following in your analysis:

- Describe the distinguishing features of the *Euglena*. What are the significances of these features? (2)
- Research one animal-like protist and one fungus-like protist.
 - Sketch a labelled diagram for each protist (2)
 - What are some unique features of these protists and what are their significances? (3)
 - Describe in detail two real-life applications for each of these protists (4)

TOTAL VALUE: 15 MARKS

