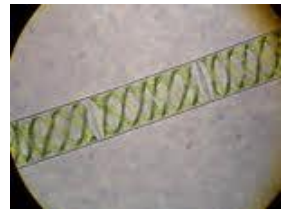
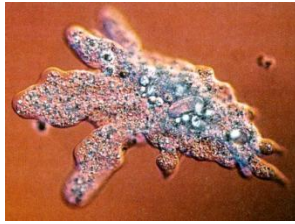
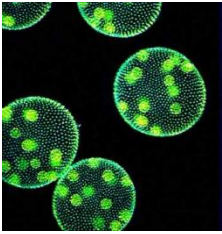


Protists and Microscopes Study Guide

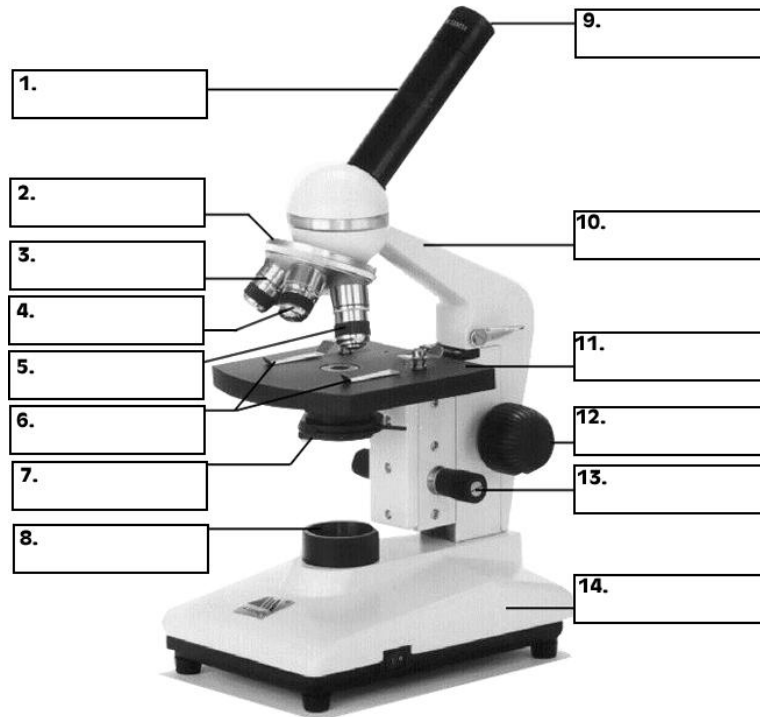
1. Identify each protist.
2. Using a ruler, draw a line and label each protist's special feature.
3. Describe the function of each special feature.



4. What is the difference between eukaryotic and prokaryotic cells?
5. Are these protists eukaryotic or prokaryotic? How do you know?
6. Differentiate between heterotrophs and autotrophs?
7. Describe something important each scientist studied or discovered:

Scientist	Time	Discovery/Area of study
Zacharias Janssen	Late 1500s	
Robert Hooke	Mid-1600s	
Anton van Leeuwenhoek	Late-1600s	
Matthias Schleiden Theodor Schwann Rudolf Virchow	Mid-1800s	

8. Fill in the parts of the microscope and write what they do, when to use them, lens power, etc.



9. What is the TOTAL magnification for low power? Medium power? High power? (show your work)

10. List the 3 parts of cell theory and draw a picture to help you remember them.

11. If you want to center/improve the image in the eyepiece view, what do you do with the slide/microscope if it looks like this....

