



STUDENT WORKSHEET
FOR MICRO SLIDE™ LESSON SET 58
CELL STRUCTURE

STUDENTS NAME _____ CLASS _____ DATE _____

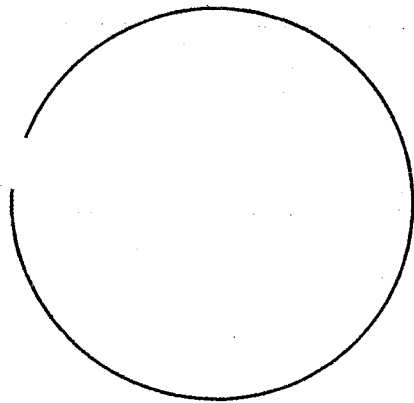
INTRODUCTION

In this unit we will study the principal parts of the cell using the Micro Slide Viewer, Micro Slide, and Text Folder.

Read and follow the directions for the use of the Micro Slide Viewer and the Micro Slide on the envelope attached to the text folder that is holding the slides.

Examine each slide and study the description in the text folder. After studying each slide and the printed text, answer the question for that slide on this worksheet. If you don't know the answer, go on to the next slide and question. You may find the answer as you learn more about the subject. Draw what you see in the space provided.

Slide 1 - CORK



- Draw a cork cell.
- How would you describe the shape of the cells? _____

- Are the cells joined together? _____
- Why are these cells empty? _____

- The structure you see in the slide is called the (nucleus) (cytoplasm) (cell membrane) (cell wall) Underline your choice.

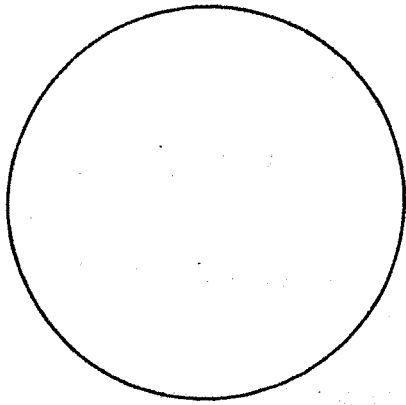
SLIDE 2 - ONION SKIN

- Why is the skin of an onion an excellent object for study?
- How many nuclei does each cell have? _____
- Most cells have three parts. Name them. _____, _____, _____.

SLIDE 7 - BACTERIA

- Draw one of the bacteria shown on the slide.
- Do the bacteria have a true nucleus? _____

SLIDE 3 - GREEN LEAF



- a. Draw the bundle of cells that make up a vein.
- b. What special function can the cells of green plants perform? _____

- c. What is the function of the opening at (E)? _____

SLIDE 4 - CHEEK CELLS

Compare this slide with Slide 3. You can find two cell structures in green leaf cells that are not in human cells. They are: _____ and _____.

SLIDE 5 - BLOOD CELLS

- a. This slide shows 3 kinds of blood cells. Name them. _____, _____, and _____.
- b. Which kind of cell is most numerous? _____
- c. Could the red blood cells reproduce? _____ Why? _____

SLIDE 6 - NERVE CELLS

- a. Why can't we see and entire brain cells in this slide? _____

- b. Why was this slide stained with a dark stain? _____

SLIDE 8 - VIRUS

- a. What kind of microscope is used to see a virus? _____

Why? _____

- b. Are viruses called cells? _____
Explain: _____

