



STUDENT WORKSHEET  
FOR MICRO SLIDE™ LESSON SET 10  
CELLS OF YOUR BODY

STUDENTS NAME \_\_\_\_\_ CLASS \_\_\_\_\_ DATE \_\_\_\_\_

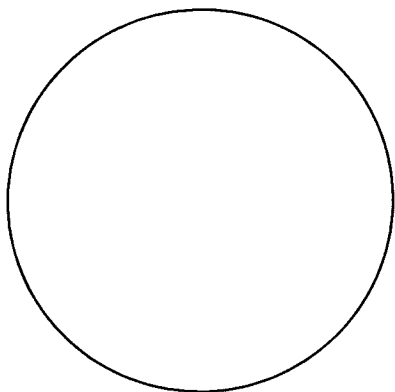
INTRODUCTION

In this unit we will examine the cells that are the “building blocks” of your body using the Micro Slide Viewer, Micro Slides and Text Folders.

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 - CHEEK CELLS



- a. Draw a cheek cell
- b. Label the cell membrane, cytoplasm, and nucleus

SLIDE 2 - BLOOD CELLS

- a. There are 2 kinds of blood cells in this slide. They are \_\_\_\_\_  
\_\_\_\_\_
- b. What is the function of the cells marked (A) and (B)? \_\_\_\_\_  
\_\_\_\_\_
- c. What is the principal function of the other cells? \_\_\_\_\_  
\_\_\_\_\_
- d. Red blood cells contain a special chemical called \_\_\_\_\_  
\_\_\_\_\_

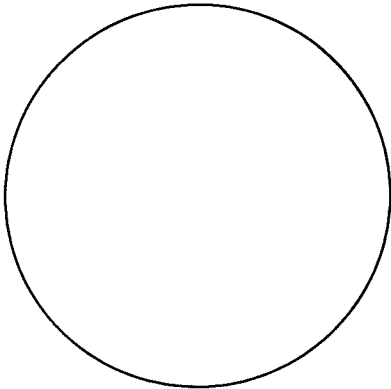
### SLIDE 3 - LYMPH GLAND CELLS

- a. Name 2 places containing lymph glands \_\_\_\_\_  
\_\_\_\_\_
- b. What is the principal function of lymph gland cells? \_\_\_\_\_  
\_\_\_\_\_

### SLIDE 4 - BONE CELLS

- a. What chemical elements give bones their extra strength? \_\_\_\_\_  
\_\_\_\_\_
- b. What is the function of the fine dark lines that connect the bone cells to each other? \_\_\_\_\_  
\_\_\_\_\_

### SLIDE 5 - VOLUNTARY MUSCLE CELLS



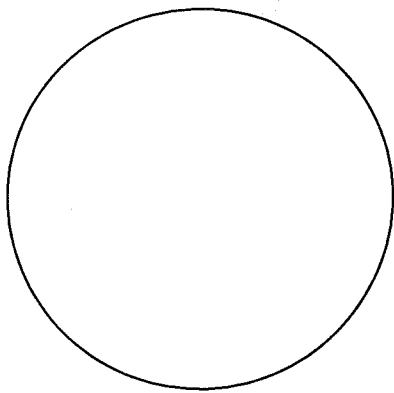
- a. Draw a voluntary muscle cell
- b. Label a muscle fibril (the long dotted threads in the cells)
- c. How does the shape of this cell help it perform its function?

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

### SLIDE 6 - INVOLUNTARY MUSCLE CELLS

- a. We call these muscle cells involuntary because \_\_\_\_\_  
\_\_\_\_\_
- b. These muscle cells are (longer than) (shorter than) (the same length as) voluntary muscle cells. Underline your choice.
- c. Why are they also called “smooth” muscles? \_\_\_\_\_  
\_\_\_\_\_

SLIDE 7 - NERVE CELLS

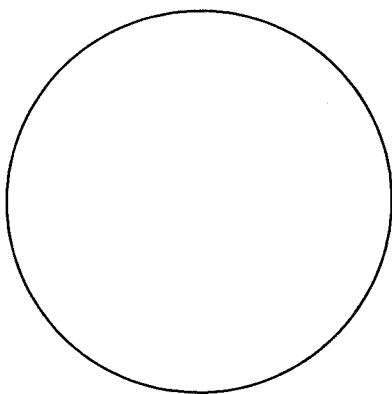


a. Draw a nerve cell

b. Do you think you can see the entire cell? \_\_\_\_\_  
Explain \_\_\_\_\_  
\_\_\_\_\_

c. How does the shape of these cells help them perform their function?

SLIDE 8 - GLAND CELLS



a. Draw a gland

b. Label the following

- Gland Cell
- Opening to the inside of the large intestine
- Gland cell nucleus

c. How many cells like these aid digestion? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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ANSWERS FOR  
STUDENT WORKSHEET  
MICRO SLIDE™ LESSON SET 10  
CELLS OF YOUR BODY

SLIDE 2

- a. Red and White
- b. Eat bacteria and other foreign particles
- c. Carry oxygen to all parts of body
- d. Hemoglobin

SLIDE 3

- a. Tonsils, Underarm
- b. Destroy bacteria

SLIDE 4

- a. Calcium and Phosphorus
- b. Transport materials between cells

SLIDE 5

- c. Long and slender so they can shorten with great force.

SLIDE 6

- a. They work without our having to think about them.
- b. Shorter than
- c. Not striated

SLIDE 7

- b. No. Extensions go beyond field of view.
- c. Many long extensions can connect to other cells at great distances.

SLIDE 8

- c. Secrete substances that help break down food into chemicals our body can use more easily.

This worksheet is based upon materials prepared by  
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