



STUDENT WORKSHEET
FOR MICRO SLIDE™ LESSON SET 114
YOUR NERVOUS SYSTEM

Lab # 17

STUDENTS NAME _____ CLASS _____ DATE _____

INTRODUCTION

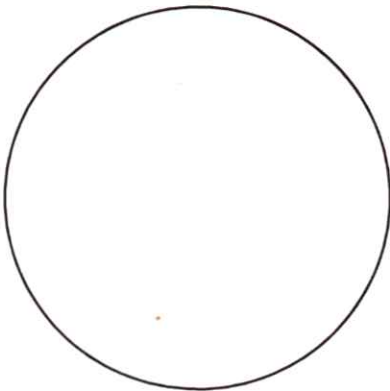
In this unit we will examine some of the parts of your body that make up your central nervous system. We will use the Micro Slide Viewer, Micro Slide, and Text Folder.

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.

- a. The basic units of the central nervous system are _____
_____.
- b. Muscles and glands are called _____.

SLIDE 1 - HUMAN EYE



- a. Draw what you see in this slide.
- b. Label the lens, retina, and optic nerve.
- c. List the function of these parts of the eye:

LENS: _____

RETINA: _____

OPTIC NERVE: _____

For Extra Credit

- d. What is the part labeled S? _____

SLIDE 2 -RETINA

- a. The special light-sensitive cells in the retina are called _____.
- b. Which cells sense dim light? _____
- c. Which cells sense bright light and colors? _____

SLIDE 3 - BRAIN

- a. The cerebrum is covered with _____.
- b. List 3 things that are done by the cerebrum:

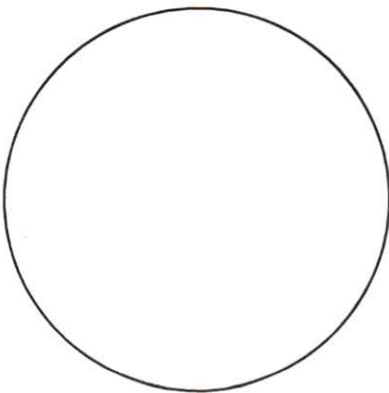
- c. The part of the brain that controls balance and coordination is called the _____.
- d. The midbrain and medulla connect the brain and _____.
- e. List 2 activities that are controlled by the midbrain and medulla: _____

SLIDE 4 - SPINAL CORD

- a. Draw what you see in this slide.
- b. Label the spinal cord, the bone, and the grey matter.
- c. What do the arrows on the slide indicate? _____

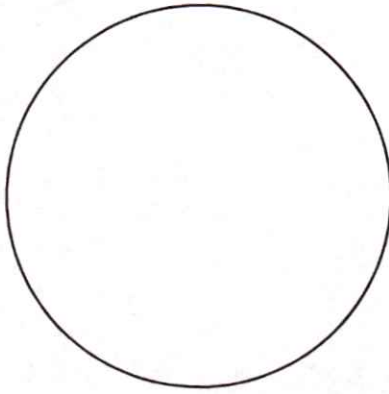
- d. The spinal cord controls many automatic activities called _____ without the brains help.

SLIDE 5 -GREY MATTER OF CORD



- a. A neuron is made up of two parts. Name them: _____
and _____.
- b. About how many neurons do you have in your brain? _____

SLIDE 6 - NEURON



- a. Draw a single neuron.
- b. Label the axon and dendrites.
- c. Axons (send) (pick up) messages. Underline your choice.
- d. Dendrites (send) (pick up) messages. Underline your choice.

SLIDE 7 - NERVE

- a. If the axon is like a wire, what is the clear circle around each axon like? _____

- b. What are the large dark spots seen in this slide? _____

SLIDE 8 - NERVE AND MUSCLE

- a. This slide shows a nerve in contact with some _____.
- b. What happens when the nerve receives a signal at the point labeled E? _____
