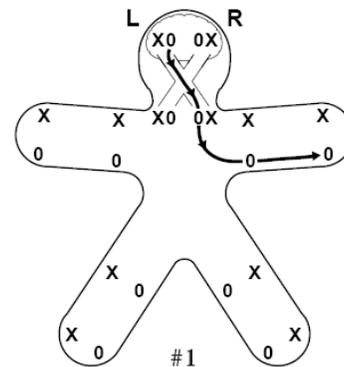


Name:	ID:	Circle Gender & Grade: Male or Female 6 7 8 9 10 11 12									
Teacher:	Class Period:	Subject:	Date:								

**Homunculus – “Little Man” Role Play  
Pre/Post Test**

For each item, circle the letter to the left that corresponds with the answer you choose.

1. Look at the neural pathway in the diagram at the right. The X's represent sensory neurons; the O's represent motor neurons. Which of the following is being illustrated by this neural pathway?



- A. Picking up a pen with the right hand.
- B. Feeling a mosquito biting the right hand.
- C. Feeling the heat from an iron with the left hand.
- D. Picking up a piece of paper with the left hand.

2 . What can be concluded about the neural pathway in illustration #1?

- A. The left side of the brain controls the left side of the body.
- B. The right side of the brain controls the right side of the body.
- C. The right side of the body controls the left side of the brain.
- D. The left side of the brain controls the right side of the body.

3 . The lips and hands take up the largest areas of the homunculus (or “little man”) because their delicate movements require more \_\_\_\_\_ than larger movements of the trunk and legs.

- A. muscle power
- B. skin cells
- C. brain power
- D. cross over

4. Environmental stimuli such as cold, heat, pain, and pressure are detected by

- A. optic lobe.
- B. sensory nerves.
- C. motor neurons.
- D. the limbic system.

5. There are 31 pairs of spinal nerves that branch off of the

- A. cranium into the face.
- B. muscles into the sensory receptors.
- C. spinal cord into the body.
- D. skin into the brain.

6. The sensory neurons of the skin, eyes, tongue, and other sense organs carry messages

- A. from the sensory receptors to the brain.
- B. from the brain to the motor receptors.
- C. from the motor receptors to the brain.
- D. from the brain to the sensory receptors.