

Name: \_\_\_\_\_

# NERVOUS SYSTEM NOTES!

## Functions of the nervous system

1. Receive information about what is happening inside and outside the body
2. Direct how your body responds
3. Helps maintain homeostasis

1. What do we call nerve cells? Neurons

2. What is a nerve impulse? the message a neuron carries.

3. Explain what the following do:

a. Dendrites: Pick up a stimuli and transfer it towards the nucleus

b. Axon: Carries the impulse away from the nucleus towards the target

4. Use the diagram on the back to write down what the following types of nerves do. Please use your own words!

a. Sensory Neuron: Picks up stimuli and converts them to impulses

b. Interneuron: Analyzes the sensory input and decides how to respond

c. Motor Neuron: Sends an impulse to a muscle or gland

5. How does an impulse travel across the gap between neurons? at the axon tip, chemicals called neurotransmitters carry the impulse across the gap to the target which is either the dendrites of another neuron, a muscle, or a gland.

6. What is this gap called? synapse

