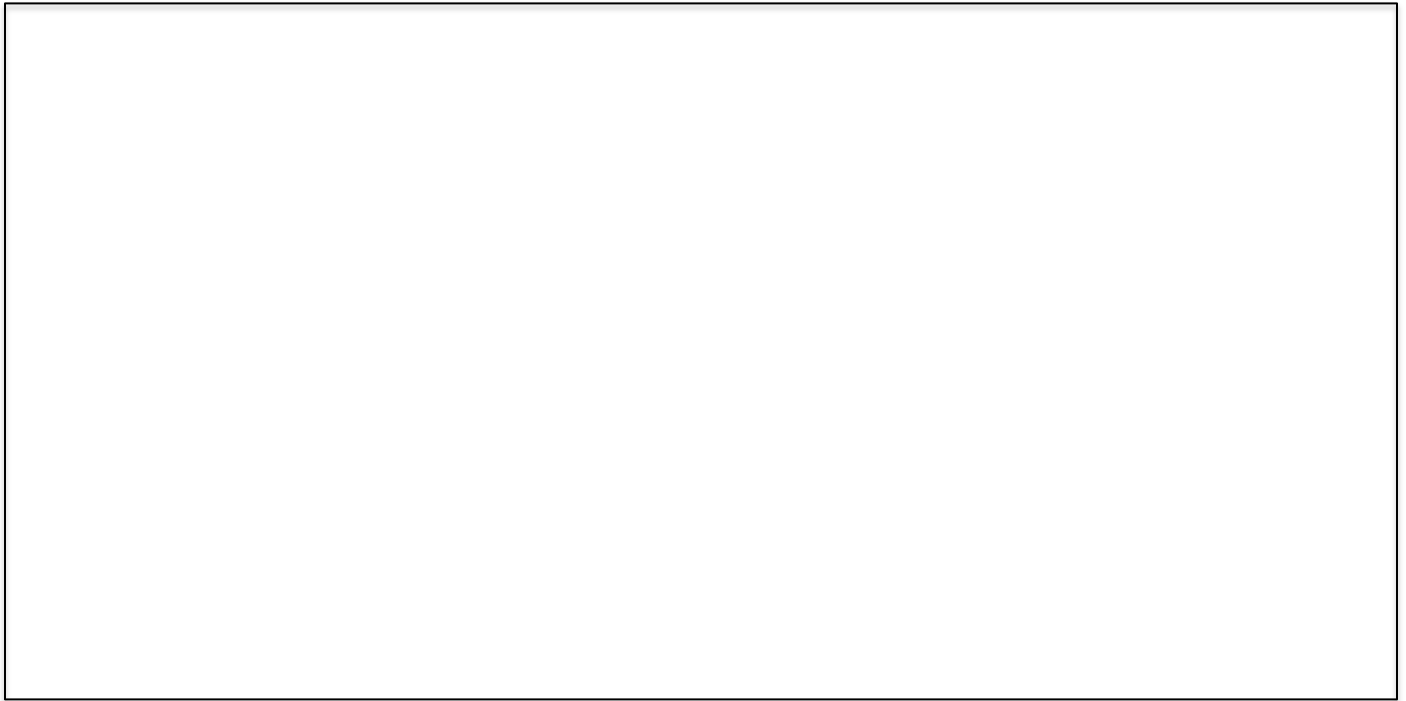


Name _____

Nervous System Review

Draw and label a **Neuron**:

dendrites, cyton, nucleus, myelin, axon, Schwann cells, terminal branches, node, synaptic knobs



What are the three types of neurons? _____

What is the name of the electrochemical message sent through neurons? _____

What is the purpose of the myelin sheath?

What cell produces the myelin? _____

Draw and label an **action potential** as it travels down an **axon**:

action potential (depolarized region), polarized region, direction of impulse, +'s and -'s

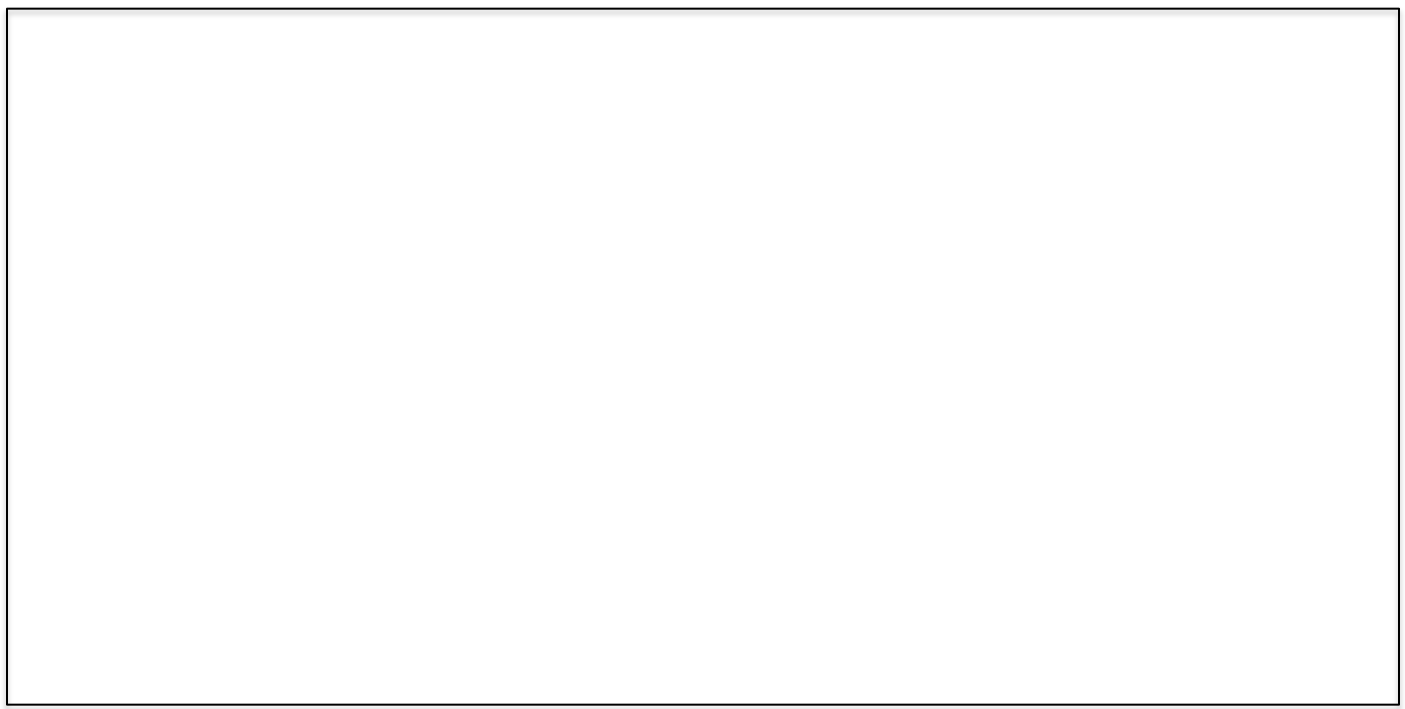


What is the area between two adjacent neurons called? _____

What chemical molecule do the synaptic knobs release? _____

Draw and label a **Synapse**:

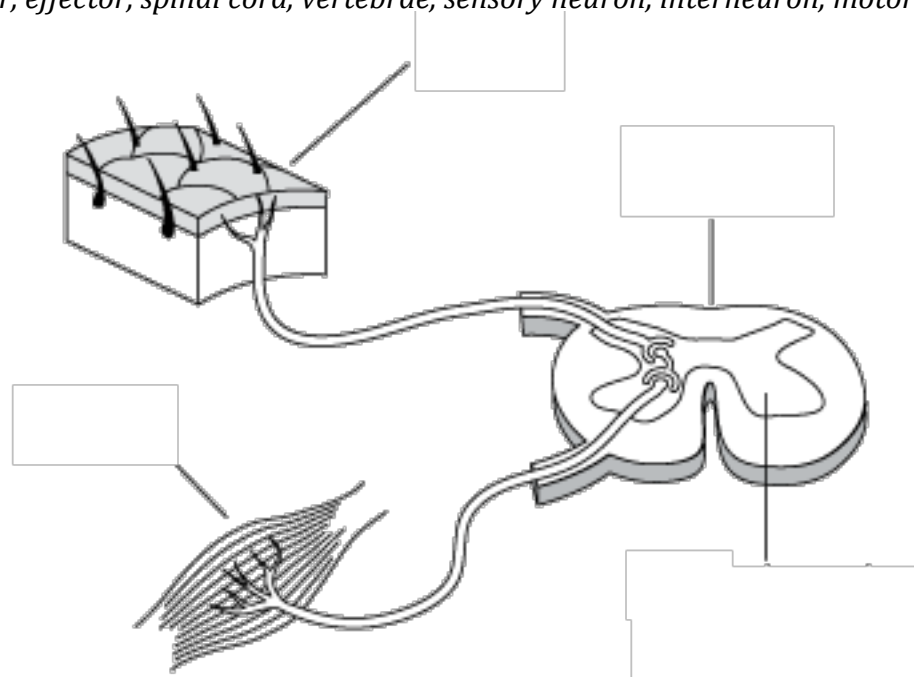
synaptic knob, synapse, neurotransmitters, mitochondria, dendrite, receptors, synaptic vesicle



What type of response is processed by the spine and not the brain? _____

Label the **reflex arc** below:

receptor, effector, spinal cord, vertebrae, sensory neuron, interneuron, motor neuron



What structure protects the spinal cord? _____

What are the three parts of the Brain and their function?

a) _____

b) _____

c) _____

