

1) What is *the* neurotransmitter released from motorneurons? After it binds to its receptor, does it just fall apart/degrade automatically, or is it enzymatically degraded (and if so, what is the name of the enzyme)?

2) What are the two types of summation of EPSP's?

3) What is a typical sodium concentration a) outside & b) inside a resting neuron?

a)

b)

4) Answer **one** of the following (**either A or B**):

A: Draw and label the connection between a neuron and a muscle cell. Be sure to include (draw & label) the following structures: neuron terminal, motor end plate, neuromuscular junction, synaptic vesicles, & neurotransmitter receptors.

B: Draw a neuron. Be sure to include/label the following structures: cell body/soma, axon, dendrites, terminal, myelin sheaths/schwann cells.