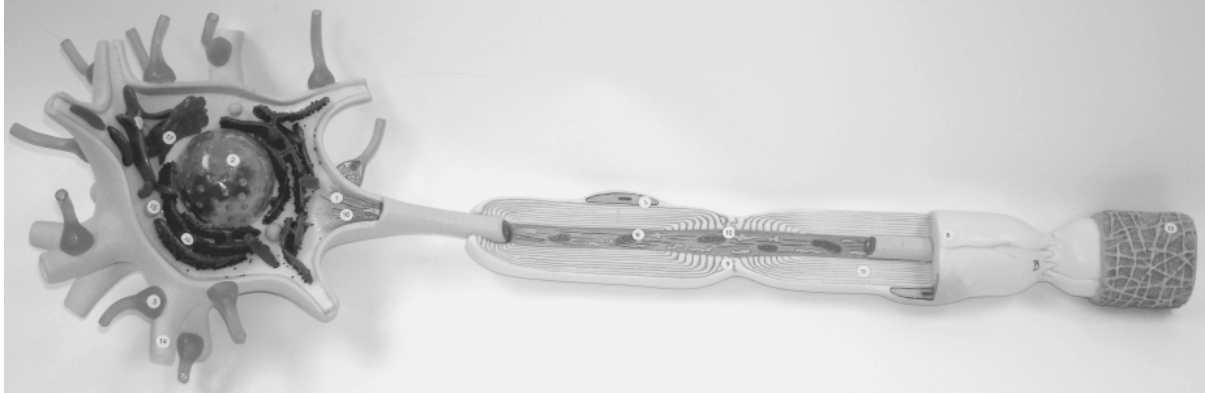# Neuron Model Key

This sheet tells you what you need to be able to identify on this model – check the "to know" sheet for anything else you may need to know about this topic.

You are **done** with this model when you can identify **all** of the following structures:

(this model shows a postsynaptic neuron with numerous presynaptic synaptic terminals that synapse to this neuron – one of the synaptic terminals is sectioned; also observe the enlarged synaptic terminal model in lab)

6   axon
16 axon hillock
     cell body (= cyton = soma)
14 dendrites
12 endoneurium/
11 myelin sheath
8   neurilemma
     (Sheath of Schwann)
3   Nissl bodies (= chromatophilic substance)
9   node of Ranvier (= myelin sheath gap)
7   Nucleus of Schwann cell
     (forms myelinated internodes)
5   synapse
     synaptic cleft (gap b/t synapse and dendrite)
     synaptic terminals of presynaptic neurons
     (= terminal boutons = synaptic knobs)
     synaptic vesicles in cut-away of synapse

10 mitochondrion

Hint: look at the end of the axon for a transverse view of the axon, myelin sheath, neurilemma and endoneurium!