

Model Neuron Project

Full Version

General Information

Course: Psychology

Chapter: three

Assigned: Monday, September 21

Due: Monday, October 5

Points: 30

Group Size: 1 or 2 people

Format: model with diagram

Summary: Create a model of a neuron and a labeled diagram of it.

Bonus: For up to +25% each, make your model actually function to demonstrate one or more of the following: resting potential, action potential, synaptic transmission, reuptake.

Directions

1. Create a sturdy model of a neuron which clearly shows the following: soma, dendrites, axon, myelin sheath, nodes of Ranvier, terminal button, and vesicles containing neurotransmitters.
2. Create the beginning of a second neuron so that you can show the synaptic cleft and receptors.
3. Create a labeled color diagram of your model that looks the same as your model so that it is easy to identify each of the above items in your model.

Scoring

[A] Your model is accurate, complete, and easy to understand.

- 10 All of the parts listed above are accurately portrayed in your model, and it is easy to identify them from your diagram.
8-9 Your model and diagram are generally complete and accurate.
5-7 There are significant errors or omissions in your model or diagram,
1-4 There are major errors or omissions in your model or diagram.

[X] All steps are completed.

- 10 All stated directions are followed.
1-9 One or more aspects of the project is omitted or incomplete.

[Y] The final product is attractive.

- 10 The model and diagram are well constructed and aesthetically impressive.
1-9 The quality of the model and diagram is not superior.

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Abbreviated Version

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Directions

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