

Quiz 2.1: Neuronal biophysics

Electrical Potential

0 points possible (ungraded)

1. In a natural situation, the electrical potential inside a neuron is ...

☐ the same as outside.

☒ different by 50-100 microvolt. *mV*

☐ different by 50-100 millivolt. ✓ *mV*



Submit

You have used 1 of 1 attempt

i Answers are displayed within the problem

Neurons and Cells

0 points possible (ungraded)

2. Neurons and cells:

☐ Neurons are special cells because they are surrounded by a membrane.

☒ Neurons are just like other cells surrounded by a membrane. ✓

☒ Cells have all membrane. ✓



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You have used 1 of 1 attempt

i Answers are displayed within the problem

Ion channels

0 points possible (ungraded)

3. Ion channels are ...

☒ located in the cell membrane. ✓

☐ special proteins. ✓

☒ can switch from open to closed. ✓



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You have used 1 of 1 attempt

 Answers are displayed within the problem

Flow of ions

0 points possible (ungraded)

4. If a channel is open, ions can ...

☒ flow from the surround into the cell. 

☐ flow from inside the cell into the surrounding liquid. 



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