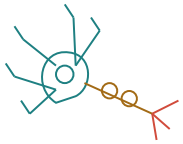
1.3 / The Neuron and Neural Firing



Name _____ Date _____

1 Make the connection.

Explain each concept in your own words. Add a brief example that shows why it fits.

Neuron

Glial cell

Sensory neuron

Motor neuron

2 Build the explanation.

Build the reflex arc. Connect each role to its function.

Choose from the pieces below. Some do not belong. Write a letter in each position and explain the connection.

A. A neuron carrying information from receptors toward the CNS.

B. A motor neuron carries every sensory input toward the CNS.

C. A neuron that connects processing pathways within the CNS.

D. A neuron carrying a command toward a muscle or other effector.

Sensory neuron - Piece: _____

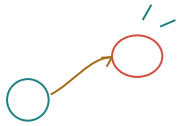
Interneuron - Piece: _____

Motor neuron - Piece: _____

Show the connection.

Sketch a diagram or example that connects two ideas. Label the parts.

Use the idea. Explain the connection.



3 Choose, then explain.

1. A transporter is blocked so that released transmitter remains available in the synapse longer. Which mechanism is represented?

A. Direct replacement of all glial cells.

B. Reuptake inhibition.

C. A larger action potential.

My choice: _____ Why it fits:

2. A fictional graph shows a smaller response to the same amount of a psychoactive substance after repeated exposure. Which concept is illustrated?

A. Tolerance.

B. Proof that addiction and tolerance are identical.

C. An all-or-none increase in signal size.

My choice: _____ Why it fits:

4 Bring it together.

Why can an agonist reduce rather than increase firing?

One idea I corrected: _____

One question I still have: _____