Brain Signals: Cause and Effect

Grade 5 | Neuroscience | Systems reading | Color

Learner: _____ Date: _____

Read this simplified model: Receptors detect a change. Sensory neurons carry a message to the brain or spinal cord. The nervous system processes information. Motor neurons can carry a response to muscles. Use the model.

TRY IT

Complete all six prompts. You may write, point, explain aloud, or use a scribe.

1 **What detects a change? _____**

_____

2 **Which neurons carry input? _____**

_____

3 **Where may input travel? _____**

_____

4 **What processes information? _____**

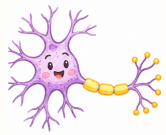
_____

5 **Which neurons carry a response? _____**

_____

6 **Write one cause-effect chain: _____**

_____



Grown-up check: receptors; sensory neurons; brain or spinal cord; nervous system; motor neurons; chain accurately connects detection, processing, and a possible muscle response.

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