



Body Systems and Senses

Name: _____

Date: _____

Grade: Grade 4

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Sense organs send signals straight to the muscles, skipping the brain.

Rewrite: _____

2. Fix the sentence: Nerves are bones that carry messages around the body.

Rewrite: _____

3. Fix the sentence: The brain is part of the digestive system.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- Information from sense organs travels along _____ to reach the brain.
- The _____ processes signals and decides how the body should respond.
- After the brain decides what to do, it sends a message to the _____ to move the body.
- When a sense organ detects something, it creates a _____ that travels to the brain.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe the path information takes from a sense organ to a body response in Grade 4 terms.

2. Why is the brain called the control center of the body?

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Sense organs send signals straight to the muscles, skipping the brain.

Rewrite: Sense organs send signals through nerves to the brain, which then tells muscles to respond.

2. Fix the sentence: Nerves are bones that carry messages around the body.

Rewrite: Nerves are thin fibers that carry messages around the body.

3. Fix the sentence: The brain is part of the digestive system.

Rewrite: The brain is part of the nervous system.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. Information from sense organs travels along nerves to reach the brain.
2. The brain processes signals and decides how the body should respond.
3. After the brain decides what to do, it sends a message to the muscles to move the body.
4. When a sense organ detects something, it creates a signal that travels to the brain.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe the path information takes from a sense organ to a body response in Grade 4 terms.

First, a sense organ like the eye detects information. The signal travels through nerves to the brain. The brain processes the signal and decides what to do, then sends a message back through nerves to the muscles, which move the body.

2. Why is the brain called the control center of the body?

The brain is the control center because it receives signals from all sense organs, processes them, and decides how the body should respond. Without the brain, the body would not know what the senses detect.
