



Body Systems and Senses

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. When you eat an apple, which senses work together to give you flavor?

- A) Only taste
- B) Smell, taste, and touch
- C) Hearing and sight only
- D) Touch only

2. Why does a hot stove make your hand pull away before you fully think about it?

- A) The brain stops working
- B) The skin tells the muscles directly without nerves
- C) A fast reflex path through the spinal cord triggers muscles
- D) The bones move on their own

3. What is a blind spot in the human eye?

- A) A place on the eye where there are no light receptors
- B) A small bone behind the eye
- C) A muscle that closes the eye
- D) A nerve in the ear

4. Why can optical illusions trick the brain in Grade 4 science?

- A) The eyes stop working
- B) The brain interprets signals based on patterns and can be fooled
- C) The illusions block all light
- D) The ears send wrong signals

Part B: Fill in the Blank

Write the correct answer on each line.

1. A quick automatic response to a sense signal is called a _____.
2. When you touch a hot pan, signals travel through skin nerves to your spinal _____ and back to muscles.
3. If your nose is blocked, food often tastes _____ flavorful than usual.
4. Optical _____ are pictures that trick the brain into seeing motion or shapes that are not really there.
5. The senses send information to the brain so it can decide on a safe _____.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. A quick automatic response to a sense signal is called a reflex .
2. When you touch a hot pan, signals travel through skin nerves to your spinal cord and back to muscles.
3. If your nose is blocked, food often tastes less flavorful than usual.
4. Optical illusions are pictures that trick the brain into seeing motion or shapes that are not really there.
5. The senses send information to the brain so it can decide on a safe response .