

5th Grade Science Review: Reaction Time Experiments

BibleMouse.com

Understanding the Nervous System

Name: _____

Date: _____

Answer the following questions based on what you learned about reaction times and the nervous system.

1. What is reaction time?

- A. The time it takes to think
- B. How quickly your brain processes a stimulus
- C. The speed of your heart rate

2. The nervous system sends ___ signals faster than you can consciously think.

3. Being alert can improve your reaction time.

- True False

4. What factors can affect reaction speed? List at least two.

5. How might athletes improve their reaction times?

- A. By sleeping more
- B. By training their reflexes
- C. By eating healthy food

6. Why is it important to understand reaction time in real life?

7. Psalm 139:14 talks about the complexity of human design.

- True False

8. According to the lesson, reaction time is important in ___ situations.

9. What was the activity used to measure reaction time in this lesson?

- A. Ball toss
- B. Ruler drop
- C. Jumping test

10. How do you feel knowing that you are 'fearfully and wonderfully made' as stated in Psalm 139:14?

Answer Key

1. How quickly your brain processes a stimulus 2. electrical 3. True 4. Age and alertness can affect reaction speed. 5. By training their reflexes 6. Understanding reaction time can help in sports and safety. It shows how quickly we need to respond in different situations. 7. True 8. real 9. Ruler drop 10. I feel special and thankful for my body and how it works. It makes me appreciate God's creation.