

# Newton's Laws of Motion Review

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## Understanding Motion and God's Design

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the following questions based on what you learned about Newton's laws of motion.

1. What does Newton's First Law state?

- A. An object at rest stays at rest, and an object in motion stays in motion
- B. Force equals mass times acceleration
- C. Every action has an equal and opposite reaction

2. Explain how Newton's laws of motion show God's incredible design.

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3. According to the Second Law, force equals \_\_\_\_ times acceleration.

4. Newton's Third Law states that every action has an equal and opposite reaction.

- True       False

5. Which law explains why a seatbelt is important in a car?

- A. First Law
- B. Second Law
- C. Third Law

6. Describe a real-world example of Newton's Second Law in action.

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7. Objects at rest will stay at rest unless acted upon by an \_\_\_\_ force.

8. Newton's laws are only applicable to moving objects.

- True       False

9. How do Newton's laws of motion relate to God's creation?

- A. They show chaos in nature
- B. They demonstrate order and consistency in God's design
- C. They are irrelevant to God's creation

10. What did you learn about motion today that surprised you the most?

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### Answer Key

1. An object at rest stays at rest, and an object in motion stays in motion    2. Newton's laws show that everything in the universe follows specific rules, which reflects God's order and creativity. It shows that He made a system that works perfectly together.    3. mass    4. True    5. First Law    6. When a soccer player kicks a ball, the force applied to the ball causes it to accelerate based on its mass. A

heavier ball will move slower than a lighter ball with the same force. 7. external 8. False 9. They demonstrate order and consistency in God's design 10. I was surprised to learn how interconnected the laws are and how they explain everyday movements and even sports.