

Friction: Friend or Foe?

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Understanding the Force of Friction

Name: _____

Date: _____

Answer the following questions based on what you learned about friction.

1. What is friction? Explain in your own words.

2. What is one positive effect of friction?

- A. It makes walking difficult
- B. It helps us stop when we brake
- C. It creates heat

3. Friction only has negative effects in our daily lives.

True False

4. Friction can be helpful for ____ and challenging when it causes ____ during movement.

5. Can you think of a time when friction caused a problem? Describe it.

6. Which of the following surfaces would likely have the most friction?

- A. Ice
- B. Carpet
- C. Glass

7. Friction is only present when two objects are moving relative to each other.

True False

8. According to Proverbs 3:19-20, God used ____ and understanding to create the earth and heavens.

9. How does understanding friction help us see God's design in creation?

10. What can be a consequence of too much friction?

- A. Increased speed
- B. Heating up of surfaces
- C. Smoother movement

Answer Key

1. Friction is a force that opposes motion between two surfaces that are in contact. It can slow down or stop movement. 2. It helps us stop when we brake 3. False 4. walking, heat 5. When I ride my bike on a rough road, the friction slows me down more than I want. 6. Carpet 7. False 8. wisdom 9. Understanding friction shows us how God created forces that work together for our benefit and how they are part of the order in His creation. 10. Heating up of surfaces