

Static Electricity: Shocking Science Review

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Understanding Static Electricity and God's Design

Name: _____

Date: _____

Answer the following questions based on what you learned about static electricity.

1. What causes static electricity?

- A. Moving air
- B. Moving electrons
- C. Moving water

2. Explain what happens when you rub a balloon on your hair.

3. Like charges ___ each other, while opposite charges ___ each other.

4. Electrons are large particles that cannot move between objects.

- True False

5. What happens when you bring two negatively charged balloons close together?

- A. They attract each other
- B. They repel each other
- C. They stick together

6. How does static electricity demonstrate God's design in nature?

7. In Colossians 1:17, it says that God holds all things ___ together.

8. Rubbing two objects together creates friction that can transfer electrons.

- True False

9. What can you use to explore static electricity in a fun experiment?

- A. A rubber band
- B. A balloon
- C. A piece of paper

10. Can you think of a time you experienced static electricity? Describe what happened.

Answer Key

1. Moving electrons 2. Rubbing the balloon transfers electrons from my hair to the balloon, giving the balloon a negative charge. 3. repel, attract 4. False 5. They repel each other 6. Static electricity shows how God designed natural forces to work together, like the attraction and repulsion of charges. 7. together 8. True 9. A balloon 10. I felt a shock when I touched a metal doorknob after walking on a carpet. The charge built up on me.
