

Electromagnets and God's Power

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Understanding the Connection between Electricity and Magnetism

Name: _____

Date: _____

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

1. What made the nail magnetic when we created an electromagnet?

- A. The wire
- B. The battery
- C. The nail itself

2. What happens to the magnetism when we disconnect the battery?

3. Electricity can create ___ magnets that are temporary.

4. Match the part of the electromagnet to its function.

Wire

Creates the magnetic field

Battery

Supplies electric current

Nail

Becomes magnetic

5. How can we make the magnetic field stronger?

- A. Use a bigger nail
- B. Add more wire coils
- C. Use a different battery

6. Where might we use electromagnets in real life?

7. God holds all creation together with His ___ power.

8. When electric current flows through a wire, it creates a magnetic field.

True False

9. What did we learn about God's creative design from electromagnets?

- A. He controls everything with His power
- B. He likes magnets
- C. He invented electricity

10. How does understanding electromagnets help us see God's design in science?

Answer Key

1. The wire 2. The nail stops being magnetic because the electric current is gone. 3. temporary 4. Creates the magnetic field 5. Add more wire coils 6. Electromagnets can be used in junkyard cranes to lift heavy metal objects. 7. invisible 8. True 9. He controls everything with His power 10. It shows us how God uses invisible forces to create things we can see.

