



Electricity and Magnetism

Name: _____

Date: _____

Grade: Grade 3

Part A: Multiple Choice

Circle the best answer for each question.

1. Which object would a magnet most likely attract?

- A) A plastic ruler
- B) A wooden pencil
- C) A steel paper clip
- D) A rubber eraser

2. Which is an example of a non-contact force?

- A) Kicking a soccer ball
- B) A magnet pulling a nail from across the table
- C) Pushing a door open
- D) Lifting a box with your hands

3. Why does a circuit with an open switch have a dark bulb?

- A) The battery is empty
- B) The bulb is broken
- C) The circuit is open, so electricity cannot flow
- D) There are too many wires

4. Which pair shows materials that are a conductor and an insulator?

- A) Copper wire and iron nail
- B) Rubber band and plastic cup
- C) Copper wire and rubber band
- D) Wood block and paper sheet

Part B: Fill in the Blank

Write the correct answer on each line.

1. A magnet is strongest at its north and south _____.
2. Two south poles pushed together will _____ each other.
3. A metal spoon is a _____ because electricity can flow through it.
4. Rubber gloves keep electricians safe because rubber is a great _____.
5. When two magnets pull together without touching, they show a non-_____ force.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. A magnet is strongest at its north and south poles .
2. Two south poles pushed together will repel each other.
3. A metal spoon is a conductor because electricity can flow through it.
4. Rubber gloves keep electricians safe because rubber is a great insulator .
5. When two magnets pull together without touching, they show a non- contact force.