Static Electricity and Simple Circuits

Grade 3 Science Worksheet

Name _____ Date _____

Write yes or no.

1. A loop has a battery, a bulb and a paper clip joining a gap in the wire. Does the bulb light? Answer: _____

2. A loop has a battery, a bulb and a plastic spoon joining a gap in the wire. Does the bulb light? Answer: _____

3. A battery is joined to a bulb in a loop, and a switch in the loop is open, so there is a gap. Does the bulb light? Answer: _____

4. A loop has a battery, a bulb and an aluminum foil strip joining a gap in the wire. Does the bulb light? Answer: _____

5. A lamp is plugged in and switched on. Does the bulb light? Answer: _____

6. A battery and a bulb are joined by wires in a full circle. Does the bulb light? Answer: _____

7. A loop has a battery, a bulb and a copper coin joining a gap in the wire. Does the bulb light? Answer: _____

8. A loop has a battery, a bulb and a metal key that touches both ends of the gap. Does the bulb light? Answer: _____

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Answer Key - Grade 3 Science Worksheet

Write yes or no.

1. A loop has a battery, a bulb and a paper clip joining a gap in the wire. Does the bulb light? Answer: **yes**

2. A loop has a battery, a bulb and a plastic spoon joining a gap in the wire. Does the bulb light? Answer: **no**

3. A battery is joined to a bulb in a loop, and a switch in the loop is open, so there is a gap. Does the bulb light? Answer: **no**

4. A loop has a battery, a bulb and an aluminum foil strip joining a gap in the wire. Does the bulb light? Answer: **yes**

5. A lamp is plugged in and switched on. Does the bulb light? Answer: **yes**

6. A battery and a bulb are joined by wires in a full circle. Does the bulb light? Answer: **yes**

7. A loop has a battery, a bulb and a copper coin joining a gap in the wire. Does the bulb light? Answer: **yes**

8. A loop has a battery, a bulb and a metal key that touches both ends of the gap. Does the bulb light? Answer: **yes**