Static Electricity and Simple Circuits

Grade 3 Science Worksheet - Building Confidence

Name _____ Date _____

Write yes or no.

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

2. A battery is joined to a bulb in a closed loop, and a switch in the loop is closed. Does the bulb light? Answer: _____

3. A flashlight is turned on, so its switch closes the circuit. Does the bulb light? Answer: _____

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

5. A loop has a battery, a bulb and a wooden stick across a gap. Does the bulb light? Answer: _____

6. A loop has a battery and a bulb, and there is a gap in one wire. Does the bulb light? Answer: _____

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

8. 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: _____

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Answer Key - Grade 3 Science Worksheet - Building Confidence

Write yes or no.

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

2. A battery is joined to a bulb in a closed loop, and a switch in the loop is closed. Does the bulb light? Answer: **yes**

3. A flashlight is turned on, so its switch closes the circuit. Does the bulb light? Answer: **yes**

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

5. A loop has a battery, a bulb and a wooden stick across a gap. Does the bulb light? Answer: **no**

6. A loop has a battery and a bulb, and there is a gap in one wire. Does the bulb light? Answer: **no**

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

8. 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**