Static Electricity and Simple Circuits

Grade 3 Science Worksheet - Building Confidence

Name _____ Date _____

Write yes or no.

1. A lamp is plugged in and switched on. 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 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 flashlight is turned on, so its switch closes the circuit. Does the bulb light? Answer: _____

5. A flashlight is turned off, so its switch leaves a gap in the circuit. Does the bulb light? Answer: _____

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

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

8. A loop has a battery, a bulb and a wooden stick across 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 lamp is plugged in and switched on. 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 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 flashlight is turned on, so its switch closes the circuit. Does the bulb light? Answer: yes

5. A flashlight is turned off, so its switch leaves a gap in the circuit. Does the bulb light? Answer: no

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

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

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