Static Electricity and Simple Circuits

Grade 3 Science Worksheet

Name _____ Date _____

Write yes or no.

1. A battery, a wire and a bulb are joined in one closed loop. 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 wire goes from a battery to a bulb, but the other end of the bulb is not joined to anything. Does the bulb light? Answer: _____

4. A loop has a battery, a bulb and a metal key that touches both ends of the gap. 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 bulb and wires are in a full loop, but there is no battery. Does the bulb light?
Answer: _____

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

8. A lamp is plugged in but switched off. Does the bulb light? Answer: _____

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

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Answer Key - Grade 3 Science Worksheet

Write yes or no.

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4. A loop has a battery, a bulb and a metal key that touches both ends of the gap. 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 bulb and wires are in a full loop, but there is no battery. Does the bulb light? Answer: no

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

8. A lamp is plugged in but switched off. Does the bulb light? Answer: no