

NAME: _____ HR: _____ DATE: _____

DESIGN & BUILD AN ELECTRIC CIRCUIT

Benchmark: SC 4.6.2: Explain what is needed for electricity to flow in a circuit to create light and sound.

I can: use a battery, wires, and a bulb to build an electric circuit.

I can: explain how a simple electric circuit works.

I can: explain how a simple electric switch works.

1. Using the materials provided – a small light bulb, one or two batteries, one or two lengths of copper wire, and rubber bands or tape if necessary – create an electric circuit and make the bulb light up.

2. Draw a diagram of what you did.

3. Explain in words how you think your circuit works.

4. Based on what you observed while building your circuit, explain how you think an on/off switch on an electrical device works.

