Simple Circuits

Grade 4 Science Worksheet - Building Confidence

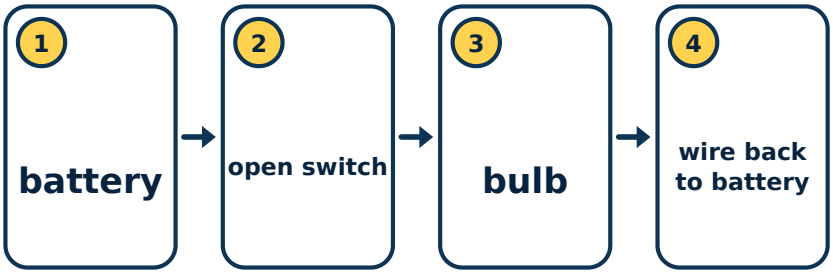
Name _____ Date _____

Circle the answer.

1. Why is the copper wire inside a cord covered in plastic?
   the plastic makes the wire carry more energy
   the plastic keeps current from reaching our hands
   the plastic helps current flow faster

2. A solar panel runs a small fan. What energy changes happen?
   sound to electrical energy, then electrical energy to light
   motion to light, then light to sound
   light to electrical energy, then electrical energy to motion

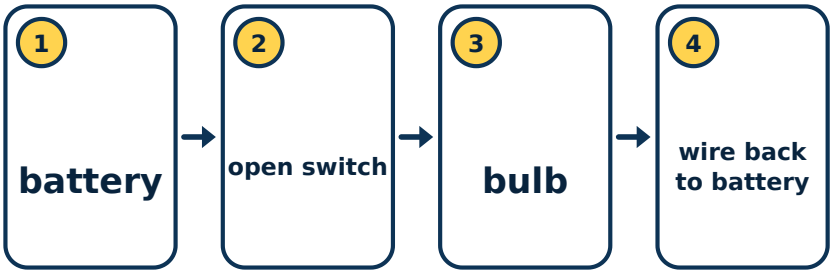
3. The bulb in this circuit does not light. Which card shows the problem?



   battery open switch bulb

4. A flashlight will not turn on. The batteries are new. What should you check next?
   whether the batteries are too new
   whether the switch closes the loop
   whether the flashlight is the right color

5. Look at the circuit cards. The switch is open. Will the bulb light?



   yes, because the battery is connected
   no, because the loop has a gap
   yes, because the wires are metal

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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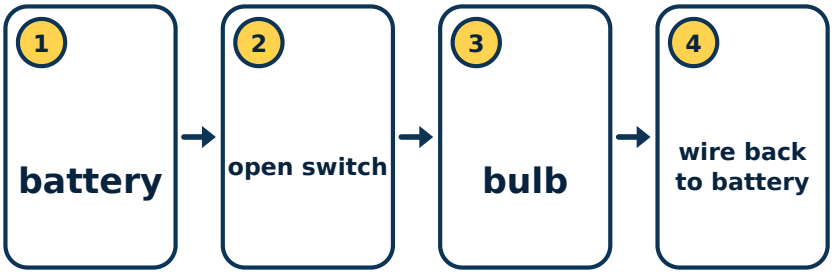
Answer Key - Grade 4 Science Worksheet - Building Confidence

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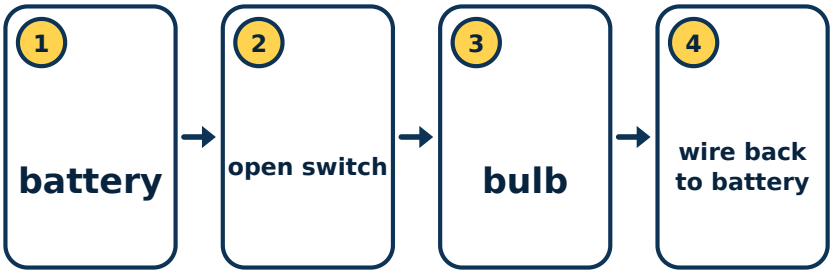
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