Simple Circuits

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. Which of these could be used to fix a gap in a circuit?

   a wooden toothpick a metal paper clip a rubber eraser a paper towel

2. A circuit goes battery → wire → bulb → wire → battery, but one wire touches the bulb's glass. The bulb is dark. Why?

   the battery is connected backward

   glass does not conduct, so the loop is open

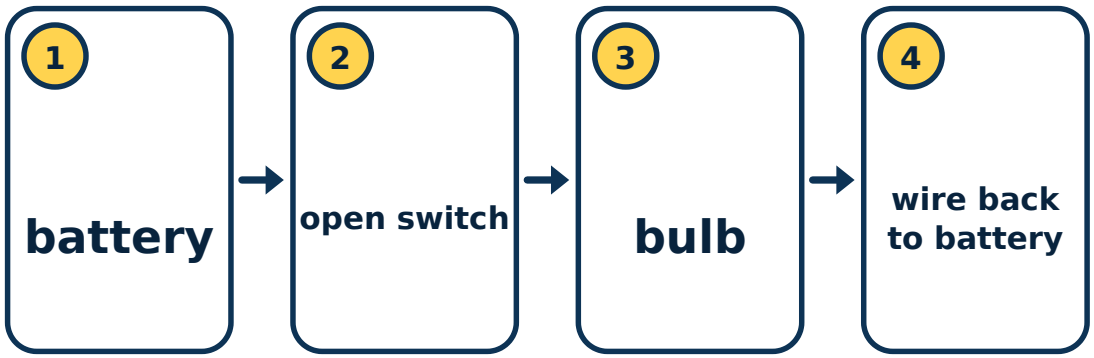
   the bulb needs two wires on the glass

   glass makes the current too strong

3. A team designs a night-light that turns on in the dark. Which part changes electrical energy into the useful energy?

   the wires the battery the bulb the switch

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



   bulb wire back to battery battery open switch

5. Which device changes electrical energy mostly into sound?

   a fan a speaker a lamp a heater

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Answer Key - Grade 4 Science Worksheet

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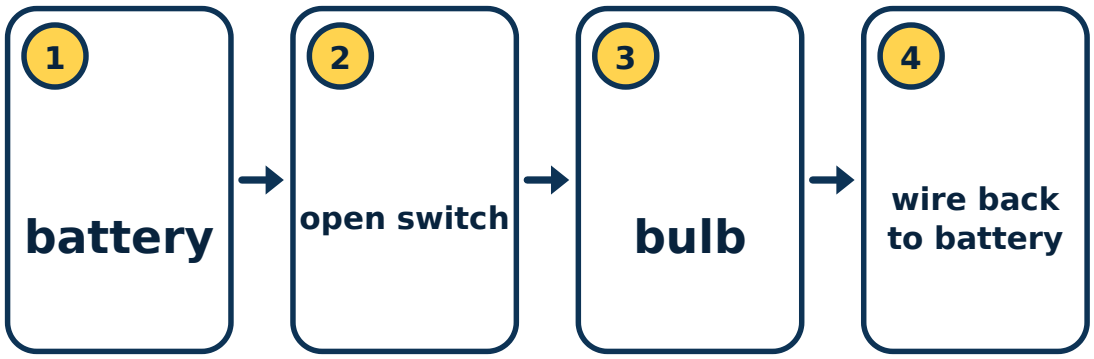
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