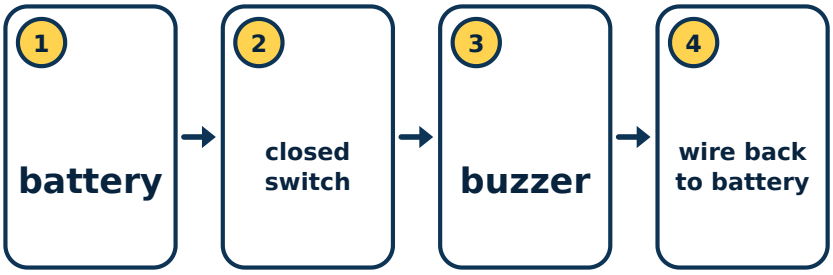
Simple Circuits

Grade 4 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. This circuit has a closed switch and works. What does the buzzer give off?



light energy motion energy only sound energy

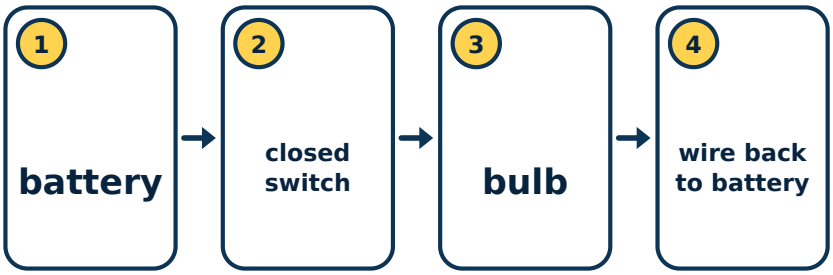
2. A student builds a circuit with a battery, a bulb and a pencil lead in the gap. The bulb glows dimly. What does this show?

pencil lead is an energy source
pencil lead conducts some current
pencil lead is a perfect insulator

3. Which group lists only conductors?

copper, steel, aluminum wood, plastic, glass copper, rubber, steel

4. Look at the circuit cards. The switch is closed. Will the bulb light?



no, because a switch blocks all current
yes, because the loop is complete
no, because the loop is open

5. What does a buzzer change electrical energy into?

light sound motion

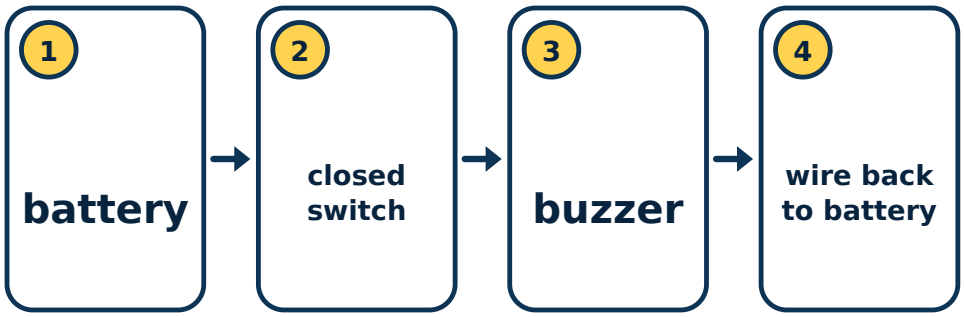
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Simple Circuits

Answer Key - Grade 4 Science Worksheet - Building Confidence

Circle the answer.

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light energy motion energy only **sound energy**

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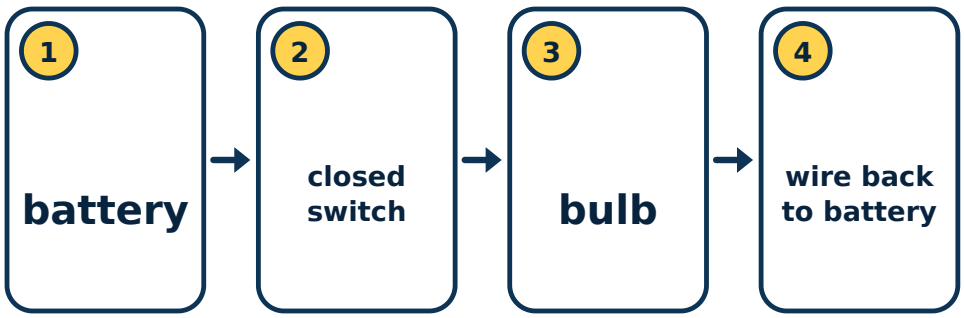
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