Simple Circuits

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Which group lists only conductors?

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

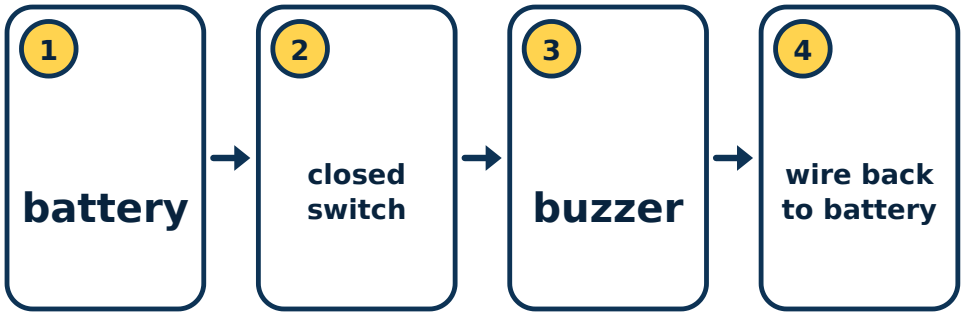
   aluminum, cloth, rubber

2. A student puts a wooden craft stick across the gap in a circuit. The bulb stays dark. She says the battery is dead. What should she test first?

   a new bulb with the stick a second wooden stick a longer wooden stick

   a metal object in the gap

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



   electrical energy back to the battery

   sound energy

   light energy

   motion energy only

4. A hair dryer blows warm air. What does it change electrical energy into?

   motion only heat only light and sound only heat and motion

5. Why does the wire in a circuit get warm when current flows for a long time?

   some electrical energy changes to heat in the wire

   cold energy slowly leaves the wire

   the wire stores light energy inside it

   the wire makes new energy of its own

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Answer Key - Grade 4 Science Worksheet - Challenge Me

Circle the answer.

1. Which group lists only conductors?

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

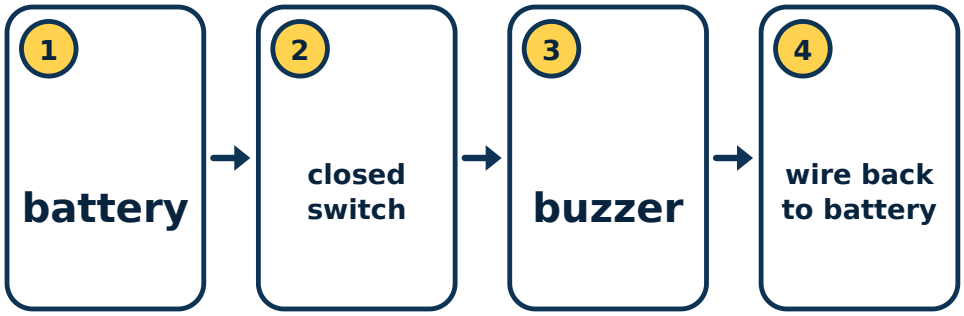
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