# Simple Circuits

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. Which group lists only conductors?

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

   copper, rubber, steel

2. A doorbell buzzer is in a circuit with a button switch. What happens when the button is pressed?

   the loop opens and the buzzer makes sound

   the loop closes and the buzzer makes sound

   the loop closes and the buzzer lights up

   the loop opens and current speeds up

3. Ana wants a circuit that rings a bell when a door opens. Which part must she add?

   a switch the door can close

   a rubber band around the battery

   a longer plastic straw

   a second bulb

4. What does a bulb change electrical energy into?

   motion only  sound only  light and heat  sound and motion

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

   cold energy slowly leaves the wire

   some electrical energy changes to heat in the wire

   the wire makes new energy of its own

   the wire stores light energy inside it

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Answer Key - Grade 4 Science Worksheet

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