Simple Circuits

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. Students compare two buzzer designs. Design A runs 2 hours on a battery. Design B runs 5 hours and is just as loud. Which is better if both meet the loudness goal?

   Design B, because it uses energy more slowly

   Design A, because it is used up faster

   Design B, because it is quieter

   Design A, because shorter is safer

2. What is the job of a battery in a circuit?

   it is the energy source

   it is the device that lights up

   it keeps the wires cold

   it stops the current

3. What is the job of the wires in a circuit?

   they stop current from moving

   they turn current into light

   they make the energy for the circuit

   they carry current between the parts

4. Two circuits use the same battery. Circuit A has one bulb. Circuit B has three bulbs in one loop. Which bulbs are brightest?

   the bulb in Circuit A

   all bulbs are equally bright

   the bulbs in Circuit B

   none of the bulbs light

5. What does a small motor change electrical energy into?

   light motion sound only cold

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Answer Key - Grade 4 Science Worksheet

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