Energy Transfer Evidence

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. An ice cube sits on a metal tray and another on a wooden tray, both at room temperature. The cube on metal melts first. What does this suggest?

   wood blocks all sound

   metal gives off cold that melts ice

   heat moves into the ice faster through wood

   heat moves into the ice faster through metal

2. A motor spins when joined to a battery. It stops when one wire is taken off and spins again when the wire is put back. What does this show?

   the wire stores energy when it is off

   the motor needs a complete circuit for energy to flow

   the motor makes its own energy

   the battery works only when the motor is off

3. A student says, "The lamp makes light out of nothing." Which observation best shows this is wrong?

   the lamp makes a shadow

   the lamp looks yellow

   the lamp stops giving light when it is unplugged

   the lamp is bright

4. After pumping a bicycle tire for a minute, the pump feels warm. Which energy changed into heat?

   the motion of the moving handle

   the light from the sun

   the cold of the tire

   the sound of the air

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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