Energy Transfer Evidence

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. 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

2. A lit bulb is warm to the touch. Which two kinds of energy is the bulb giving off?

   sound only light and heat motion only sound and motion

3. A pulled-tight string joins two paper cups. A friend talks into one cup and you hear her in the other. How does the energy travel?

   as heat in the string

   as vibrations along the string

   as light in the string

   as electric current in the string

4. A hair dryer is on. A student feels warm air and hears a hum. Which two forms of energy did the electricity change into?

   light and cold heat and sound cold only sound and cold

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Answer Key - Grade 4 Science Worksheet

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