Energy Transfer Evidence

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. A black paper and a white paper lie side by side in the same sunlight. After 5 minutes the black paper is 31 degrees Celsius and the white paper is 26 degrees. What does this suggest?

   the sun shone on the black paper only

   the white paper took in more energy from the sunlight

   the black paper took in more energy from the sunlight

   sunlight has no energy

2. A battery, a motor and a buzzer are joined in one loop. A wire to the motor is cut and both the motor and the buzzer stop. Why?

   the motor was storing the buzzer's energy

   the buzzer runs only on sound

   current moves only to the part that is broken

   in a single path, a break stops the current to every part

3. A hand-crank radio plays music for a few minutes after a student turns the crank. Which energy chain fits?

   heat to motion to light

   light to heat to sound

   sound to electric current to motion

   motion of the crank to electric current to sound

4. A toy fan spins only when a lamp shines on its solar panel. Which energy chain fits?

   motion to light to sound

   sound to heat to light

   heat to sound to motion

   light to electric current to motion

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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