Energy Transfer Evidence

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. A student wants to show that a hot cup of water warms a cold cup placed against it. Which measurement is the best evidence?

   the loudness of the water

   the temperature of the cold cup rising over time

   the color of the two cups

   the height of the two cups

2. A lamp is switched on. What energy from the lamp can you see?

   water light sound wind

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

   heat to sound to motion

   sound to heat to light

   motion to light to sound

   light to electric current to motion

4. 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?

   sunlight has no energy

   the white paper took in more energy from the sunlight

   the black paper took in more energy from the sunlight

   the sun shone on the black paper only

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Energy Transfer Evidence

Answer Key - Grade 4 Science Worksheet

Circle the answer.

1. A student wants to show that a hot cup of water warms a cold cup placed against it. Which measurement is the best evidence?

   the loudness of the water

   the temperature of the cold cup rising over time

   the color of the two cups

   the height of the two cups

2. A lamp is switched on. What energy from the lamp can you see?

   water **light** sound wind

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

   heat to sound to motion

   sound to heat to light

   motion to light to sound

   light to electric current to motion

4. 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?

   sunlight has no energy

   the white paper took in more energy from the sunlight

   the black paper took in more energy from the sunlight

   the sun shone on the black paper only