Energy Transfer Evidence

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Which device mostly changes electrical energy into sound?

   a lamp a heater a toaster a speaker

2. 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 electric current in the string

   as heat in the string

   as vibrations along the string

   as light in the string

3. A cup of hot water reads 80, 70, 63, then 58 degrees Celsius at equal times. A student says it is losing heat to the air. What else would support this?

   the cup begins to glow

   the water gets heavier

   the air around the cup gets much colder

   the air around the cup gets slightly warmer

4. A metal spoon and a plastic spoon stand in the same hot cup. The top of the metal spoon gets hot and the top of the plastic spoon stays cooler. What is supported?

   heat moves along plastic better than along metal

   plastic makes cold energy

   metal spoons give off sound

   heat moves along metal better than along plastic

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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