Energy Transfer Evidence

Grade 4 Science Worksheet

Name _____ Date _____

Circle the answer.

1. Two cups of water both start at 20 degrees Celsius. A warm spoon goes into cup A only. Which observation is evidence that heat moved from the spoon to cup A?

   cup A stayed at 20 degrees Celsius

   cup A rose from 20 to 25 degrees Celsius

   cup A fell from 20 to 15 degrees Celsius

   cup B rose from 20 to 25 degrees Celsius

2. A battery is joined to a small bulb by two wires and the bulb lights. What carried the energy to the bulb?

   sound in the wires

   heat from your hand

   electric current in the wires

   shadows in the wires

3. Your hands feel warm near a campfire. What energy made them warm?

   a shadow heat cold sound

4. 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 water gets heavier

   the cup begins to glow

   the air around the cup gets much colder

   the air around the cup gets slightly warmer

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Answer Key - Grade 4 Science Worksheet

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