Name _____ Date _____

Unit 9

Lesson 3 Quiz

# What Is Heat?

1. Blayne uses a thermometer to take a single reading of the water in a beaker. What is Blayne measuring?

   (A) conduction rate
   (B) amount of heat energy of the water
   (C) amount of energy transferred from the beaker to the water
   (D) amount of energy transferred from the water to the beaker

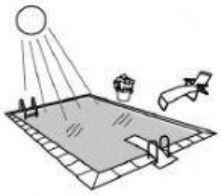
2. On a warm sunny day, a lizard sits on a rock. Which word explains why the lizard feels heat from the sun?

   (A) convection
   (B) friction
   (C) gravity
   (D) radiation

3. Jessie knows that conduction is a form of heat energy transfer. Which transfer of heat energy is made through conduction?

   (A) hand heats a snowball
   (B) radiator warms a home
   (C) boiling water heats pasta
   (D) sun warms a greenhouse

4. Each picture shows a source of heat. Which picture shows heat transfer through convection?

   (A) 
   (B) 
   (C) 
   (D) 

5. This table shows some sources of heat.

| | |
|---|---|
| 1 | rays of the sun |
| 2 | electric space heater |
| 3 | oven with a fan |
| 4 | hot plate |

Which source(s) will transfer heat through convection?

   (A) 1 only
   (B) 1 and 2 only
   (C) 2 and 3 only
   (D) 3 and 4 only


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