

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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1. When one end of a steel rod is held in a flame, the other end also gets hot. This happens because steel

- A. makes its own heat.
  - B. is a good conductor of heat.
  - C. makes the flame hotter.
  - D. keeps cold away from the flame.
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2. If you put a metal spoon in hot water, the spoon will

- A. melt.
  - B. dissolve.
  - C. get cold.
  - D. get hot.
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3. Estelle put hot water in a cup. When she picked up the cup, the handle was very hot. Which tells why the handle was hot?

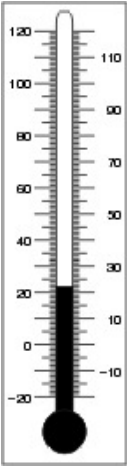
- A. Heat moved from the handle to the air.
  - B. Heat moved from the hot water to the handle.
  - C. Heat moved from Estelle to the handle.
  - D. Heat moved from the air to the handle.
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4. Vern is doing an experiment to measure the heating effect of the Sun. He needs to use a small dish of water, a clock, and a

- A. light meter.
  - B. hydrometer.
  - C. pH meter.
  - D. thermometer.
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5.

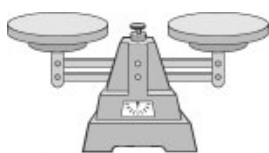
*Use the picture below to answer this question.*



Most thermometers are read by looking at the position of the red liquid in a glass tube. Which tells how this type of thermometer works?

- A. The glass expands (gets larger) when hot.
  - B. The glass contracts (gets smaller) when hot.
  - C. The red liquid expands (gets taller) when hot.
  - D. The red liquid contracts (gets shorter) when hot.
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6. Which instrument should you use to find out if water is about to boil?



A.

balance scale



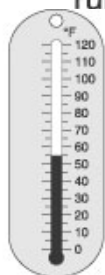
B.

stopwatch



C.

ruler



D.

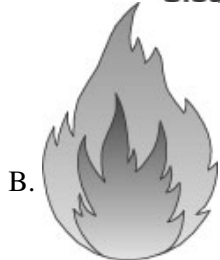
thermometer

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7. What makes the most heat energy?



**Cloud**



**Fire**



**Telephone**



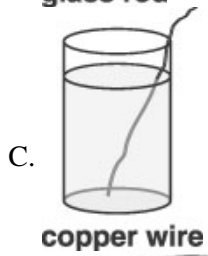
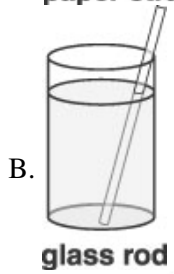
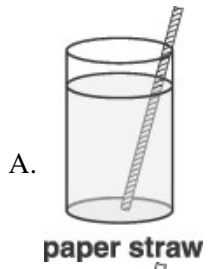
**Bell**

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8. Bob is in the kitchen making dinner. Heating water will help him to

- A. cool the drinks.
  - B. make ice cubes.
  - C. cook noodles.
  - D. clean the vegetables.
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9. Victor put four objects into four glasses of boiling water. Which object would feel hot FIRST?



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10. When heat from the Sun comes through the atmosphere and heats Earth it is called

- A. conduction.
- B. convection.
- C. radiation.
- D. conservation.

**Answer Key**

1. B) is a good conductor of heat.
2. D) get hot.
3. B) Heat moved from the hot water to the handle.
4. D) thermometer.
5. C) The red liquid expands (gets taller) when hot.
6. D)
7. B)
8. C) cook noodles.
9. C)
10. C) radiation.