

SPI 0307.10.2 Classify materials according to their ability to conduct heat.

Name **ANSWER KEY** _____ Date _____

**Heat Conducting Materials
Test**

Directions: Please circle the correct answer for the questions below.

1. Which of these is an insulator?
a. wood b. copper c. paper d. metal
2. What is a tiny, building block of matter called?
a. LEGO b. plastic **c. molecule** d. cloud
3. Which of these things would be the hottest in the sun?
a. a white cotton ball b. a rubber ball **c. a metal pail**

Directions: Please write a short answer to the following questions.

4. Which shirt would be cooler to wear in the hot sun, white or black?

5. Please list three things that give off heat below:

Sun

Electricity

Fire

Directions: Please write TRUE or FALSE on the line beside the sentence.

- 6. **TRUE** Conduction is heat moving through one object to another.
- 7. **TRUE** Metal is a good conductor of heat.
- 8. **TRUE** Wood and plastic are insulators.
- 9. **FALSE** Wearing a black shirt on a hot day will keep you cool.

Matching: Please draw a line to the matching word with the definition.

- | | | | |
|-----|----------------|---|---------------------|
| 10. | source of heat | → | conductor |
| 11. | molecule | → | insulator |
| 12. | wood | → | tiny building block |
| 13. | metal | → | sun |