

Chapter 14 Unit Study Guide

Matching

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| _____ | 1. Even though the water in a filled bathtub may be at the same temperature as water in a teacup, the water in the bathtub has more _____ because it contains a greater number of water molecules. | a. thermal |
| _____ | 2. If _____ is transferred from object A to object B, the temperature of object A decreases. | b. Fahrenheit |
| _____ | 3. As a substance changes state, there is no change in the _____ of the substance. | c. convection |
| _____ | 4. Boiling is vaporization that takes place at or _____ the surface of a liquid. | d. Kelvin |
| _____ | 5. Bare feet feel colder on a tile floor than on a rug because the tile floor is a better _____ of heat. | e. thermal energy |
| _____ | 6. The handle of a spoon in a bowl of soup becomes warm because of heat transfer by the process of _____. | f. heat |
| _____ | 7. Fiberglass is a common _____, which is a material that reduces the transfer of heat. | g. insulator |
| _____ | 8. During a change of state, the addition or loss of _____ energy changes the arrangement of the particles in the substance. | h. radiation |
| _____ | 9. If two glasses of water are at the same temperature, the average _____ energy of the particles of water in each glass is the same. | i. conduction |
| _____ | 10. A one-degree change in temperature on the Celsius temperature scale is equal to a one-degree temperature change on the _____ temperature scale. | j. kinetic |
| | | k. temperature |
| | | l. below |
| | | m. conductor |