

Name: _____ Date: _____ Period: _____

Heat and Heat Transfer

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| 1. Thermal energy that is transferred from an object of higher temperature to an object of lower temperature | A. Fahrenheit Scale |
| 2. The measure of kinetic energy (motion) of individual particles of matter | B. Celsius Scale |
| 3. Most common temperature scale in the U.S. boiling water is 212 degrees F and freezing water is 32 degrees F | C. Conduction |
| 4. Most common temperature scale around the world. Boiling water is 100 degrees C freezing water is 0 degrees C. | D. Absolute Zero |
| 5. Scale commonly used in physical science. Same degrees as Celsius Scale | E. Heat |
| 6. On the Kelvin Scale, -273 degrees K is the point where all matter stops moving | F. Kelvin Scale |
| 7. When cooler fluid sinks and warmer fluid rises it creates a circular motion | G. Specific Heat |
| 8. Transfer of heat through electromagnetic waves | H. Convection |
| 9. Heat is transferred from the movement of currents within a fluid | I. Conduction |
| 10. The amount of energy required to raise the temperature of 1 Kg of a substance 1 degree Kelvin | J. Radiation |
| 11. Heat transferred from one particle | K. Convection Current |
| 12. Heat transferred from one particle to another without motion | L. Temperature |