

Name: _____

Chapter 6: Thermal Energy, Heat, Temperature

You should be familiar with the following vocabulary words: *temperature, heat, Celsius Scale, Fahrenheit scale, Kelvin Scale, absolute zero, convection, conduction, radiation, convection current, thermal energy, insulator, conductor, thermal expansion*

Use the words above to fill in the following statements:

- 1) The total energy of all particles in an object is called _____.
- 2) The temperature scale used in most of the world is called the _____.
- 3) Scientists use these two temperature scales most often: _____ and _____.
- 4) _____ is the transfer of thermal energy from warm to cold.
- 5) _____ is the average kinetic energy of the particles in a substance.
- 6) When there is an absence of energy, this is called _____.
- 7) Heat is transferred directly from one particle of matter to another by the process of _____.
- 8) Heat that is transferred by the movement of currents within a fluid is called _____.
- 9) _____ is the transfer of energy by electromagnetic waves.
- 10) A circular flow of warmer fluid and cooler fluid is called a(n) _____.
- 11) To keep food warm or cool, coolers are made out of materials that are _____.
- 12) _____ allow heat to flow easily.
- 13) When particles spread out due to an increase of thermal energy, this is called _____.
- 14) Heat always flows from _____ objects to _____ objects.

Grade 7 Heat And Thermal Energy

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