

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

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

# Thermal Energy

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

1. When there is an absence of energy, this is called \_\_\_\_\_
2. Heat is transferred directly from one particle of matter to another by the process of \_\_\_\_\_
3. A circular flow of warmer fluid and cooler fluid is called a(n) \_\_\_\_\_
4. To keep food warm or cool, coolers are made out of materials that are \_\_\_\_\_
5. \_\_\_\_\_ allow heat to flow easily
6. The total energy of all particles in an object is called \_\_\_\_\_
7. When particles spread out due to an increase of thermal energy, this is called \_\_\_\_\_
8. Heat always flows from objects to objects. \_\_\_\_\_
9. \_\_\_\_\_ is the transfer of energy by electromagnetic waves.
10. Heat that is transferred by the movement of currents within a fluid is called \_\_\_\_\_