

## Unit 5 Lessons 1-3

1. Kinetic Energy (KE) ~ energy of motion
2. Thermal Energy ~ the kinetic energy of moving particles
3. Heat ~ the energy that is transferred between substances of different temperatures
4. Temperature ~ the measure of the average kinetic energy of the particles in an object
5. Specific Heat ~ the amount of heat needed to raise the temperature of 1 gram of a substance  $1^{\circ}\text{C}$
6. Conduction ~ the transfer of heat by direct contact
7. Convection ~ the transfer of heat by currents in liquids or gases (a.k.a. fluids)
8. Radiation ~ the transfer of heat by waves
9. Law of Conservation of Energy ~ energy cannot be created or destroyed only transferred into different forms or to different objects