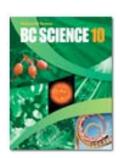
## Section 10.1 Temperature, Thermal Energy, and Heat Before You Read



## 1. Words to Know

Directions: Match the correct definition to the term on the left. Scan pages 424 – 431 to find the definitions.

Words to Know		Definition	
	conduction	Α.	a measure of the average kinetic energy of all the particles in a sample of matter
	convection	В.	the transfer of thermal energy from an area or object of high thermal energy to an area or object of low thermal energy
	electromagnetic radiation	C.	all matter is composed of particles (atoms and molecules)
	heat	D.	the transfer of thermal energy from one substance to another or within a solid by direct contact of particles.
	kinetic energy	E.	the transfer of energy by waves travelling outward in all directions from a source
	kinetic molecular theory	F.	the total energy of all the particles in a solid, liquid, or gas
	temperature	G.	the transfer of thermal energy within a fluid and with the movement of fluid from one place to another
	thermal energy	Н.	the energy of a particle or an object due to its motion

Predicting the Main Ideas of Section 10.1				
Directions: Scan pages $424 - 431$ looking at the pictures and titles within this section. Predict four things you think you will learn in this section.				
1				
2				
3				
4				