**Kinetic Molecular Theory**

Vocab – solid, liquid, gas, kinetic energy, thermal energy, heat, temperature, melting, solidification, condensing, evaporating, sublimation, deposition

**Kinetic Energy:**

**Kinetic Molecular Theory**

By expanding and testing the particle model of matter, scientists have been able to develop the Kinetic Molecular Theory to explain what is happening with the way particles move in substances.

Kinetic Molecular Theory, or KMT, is based off of these main points:

**States of Matter in KMT**

**Solids:**

**Liquids:**

**Gases:**

**Thermal Energy, Heat and Temperature**

Thermal Energy:

Heat:

Temperature:

Touching a warm thing ->

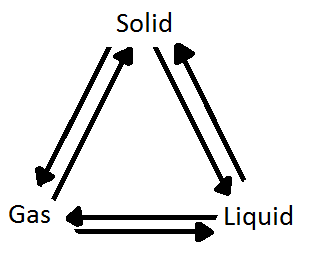
Touching a cold thing ->

**Thermal Expansion/Compression**

As things warm up the particles move \_\_\_\_\_\_\_, they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ more and make more \_\_\_\_\_\_\_\_\_\_\_\_\_ for themselves. All the particles are doing this, so the object will get \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

As things cool down the particles will move \_\_\_\_\_\_\_, they will \_\_\_\_\_\_\_\_\_\_\_ less and need less \_\_\_\_\_\_\_\_\_\_\_. All the particles are doing this, so the object will get \_\_\_\_\_\_\_\_\_\_\_\_\_.

**Changes of State**



Homework: p.259 #1-10

Add the vocab to the Vocab sheet