

Name: _____

Blk: _____ Date: _____

Science 8
Notes: Changes of State

Particles with more energy move faster than particles with less energy.

Therefore:

If you _____ to a substance, the particles move _____
and _____ and start to spread further and further apart =
_____.

The three possible changes of state that can occur with the addition of energy or heat are:

1. _____ solid → liquid
2. _____ liquid → gas
3. _____ solid → gas

If you _____ from a substance, the particles move _____
And _____ and start to get closer and closer together =
_____.

The three possible changes of state that can occur with the removal of energy or heat are:

1. _____ liquid → solid
2. _____ gas → liquid
3. _____ gas → solid

Complete the diagram on the next page using the above terms in the proper spaces

