Name:_		
Blk:	_Date:	

Science Notes: STATES OF MATTER

	is a	anything that has a mass and a volume
	→it is measured in	is the amount of matter in an object
	It is measured in two di → Fluids	s the amount of space an object takes up fferent ways:
The	STATES OF MATTER:	Categories for Matter
1	have ahave a have a Ex:	volume
2	have a have a Take the shape of its Ex:	volume
3	have a Take the volume of its _ Take the shape of its _ Ex:	
4. <u> </u>	What is	? Read pg 258 and answer this question

Name:_		
Blk:	_Date:	

Science Notes: Changes of State

Particles with m	ore energy move faster than particles with less energy.
Therefore:	
If you and	to a substance, the particles move and start to spread further and further apart =
The three possib heat are:	ole changes of state that can occur with the addition of energy or 1 solid → liquid 2 liquid → gas 3 solid → gas
If you And	from a substance, the particles move and start to get closer and closer together =
The three possib neat are:	le changes of state that can occur with the removal of energy or
	1 liquid → solid 2 gas → liquid
	3gas → solid

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

Name:_		
Blk:	_Date:	

Science 9 Notes on: The PMM and KMT

The Particle Model of Matter:

Describes the of matter
All matter is made of small
There are varying between the particles. Gases have space than liquids. Liquids havespace than solids.
Particles are always
Particles are to each other. The strength of attraction depends on the of particle.
The Kinetic Molecular Theory: (Recall from science 8 that Kinetic energy is the energy of objects in)
Describes what happens to matter when the kinetic energy of particles
Matter is made of small
There are empty between the particles.
Particles are constantly Solid particles are packed together and cannot move freely. They can only
Liquid particles are farther apart and can each other.
Gas particles are far apart and move around ————————————————————————————————————
Adding makes particles move.