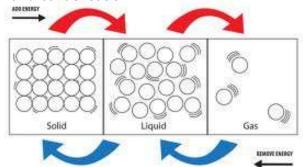
PS Chemistry Key Terms & Kinetic Theory

Name_____ Period ____

Down1. The average kinetic energy of the particles in a substance.	1 Across
2. Solid not made up of crystals.	1. Liquid rising in a thermometer as temperature increases is an example of expansion.
4. Heat of is the energy needed for a substan to change from a liquid state to a gaseous state7. A fluid's resistance to flow.	3. Most common state of matter.
9. Particles arranged in repeating geometric patterns. 11. The matter in which the particles are free to move in all directions until they	5. Force per unit area. 6. The transition of a substance directly from the solid to the gas phase without passing through the liquid phase.
have spread evenly throughout the container. 5 The state of matter with definite	8. This theory of matter states that the
13. The state of matter with definite volume but no definite shape. 14. SI unit for pressure	tiny particles that make up matter are in constant random motion.
7	10. Faster moving particles will have a temperature.
10 11 8	9 12. The state of matter that has a definite shape and a definite volume.
12 13	15. Name of the force exerted by a fluid on objects immersed in it.
14	16. Temperature at which a solid begins to liquefy is the point.
16	
Label. On the diagram below, label vaporization a	nd condensation.



	<u>/ord Bank</u> (some wor evaporation	rds will be used more gas	e than once, some no liquid	t at all) vaporization
energy	faster	heat	solid	
3) What is Vaporizat Vaporization is the p		ı a	into a	It is also
called	Since	e we know that the p	articles of a gas are i	moving
t	than those of a liquid	l, an input of	must	be required for a
liquid to become a g	as. The most commo	on way to add energ	y to a liquid system is	s by adding
	·			
4) What is condensa Condensation is the		change	s phases into a	. You must
			t into a liquid. The He	
			and negative	
	p. 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			· · · · · · · · · · · · · · · · · · ·
 5) At the start, 40°C in what state of n 6) As energy is absorbed of the substance At what temperture begin to melt? 7) The temperature 80°C while the su 	raph (Figure 2-10) to c, the substance exist natter? orbed, the temperatu rises at a constant ra are does the substance remains constant at abstance changes from	ts 100 90 80 80 80 60 70 60 70 60 70 60 70 60 70 60 70 70 70 70 70 70 70 70 70 70 70 70 70		sents the temperature of
•			m of a material as h	
warming curve (righ	it to left).		rgy. The curve will be from 90°C to 80°C?	
9) What happens to	the substance as the	e temperature drops	from 70°C to 60°C?	
			writing the intial and	fianl phases for
each phase chase. T	hen place a check (v			
	initial	ase final	Ene required	released
Condensation	iiiitiai	iiiiai	i cquii cu	reieuseu

ial	final	Ener	
		required	released
		-	
			-