Changes of State-Chapter 2 Section 2		
	Picture Representation/Examples	
 Changes between SOLIDS to LIQUIDS MELTING: The change in state from 		
a solid to a liquid.		
Melting occurs at a specific melting		
point.		
Melting point is a characteristic		
property of a substance.		
At its melting point, the particles of a		
solid substance are vibrating so fast		
that they break free from their		
fixed positions.		
Changes between LIQUIDS to SOLIDS		
• FREEZING: The change in state		
from liquid to solid.		
At its freezing temperature, the		
particles of a liquid are moving so		
slowly that they begin to form regular		
patterns. Changes between LIQUIDS and GASES		
changes between ElQOIDS and ONSES		
VAPORIZATION: The change from a		
liquid to a gas.		
Vaporization takes place when the		
particles in a liquid gain enough		
energy to form a gas.		
 There are two main types of 		
vaporization—evaporation and boiling.		
EVAPORATION: vaporization that		
takes place only on the surface of a		
liquid.		
o BOILING: occurs when a liquid		
changes to a gas below its surface as		
well as at the surface.		
Changes between GASES and LIQUIDS		

	CONDENCATION	
•	CONDENSATION: the opposite of vaporization.	
•	Condensation occurs when particles	
	in a gas lose enough thermal energy	
	to form a liquid.	
•	Water vapor is a colorless gas that	
	is impossible to see. You see tiny	
	droplets of water suspended in air.	
Char	nges between SOLIDS and GASES	
	SUBLIMATION: occurs when the	
	surface particles of a solid gain	
	enough energy that they form a gas.	
	During sublimation, particles of a	
	solid so not pass through the liquid	
	state as they form a gas	
2. Yo	ou are stranded in a blizzard. You need w	vater to drink, and you're trying
to st	ay warm. Should you melt snow and ther	drink it, or just eat snow?
Expla	in.	
		
		
		
		