Guided Reading Chapter 8 Section 3

1.	What are the "phases of matter?"								
2.	Dra	aw the molecular dia	e molecular diagram of a solid. What is a solid?						
3.	Dra	aw the molecular dia	gram of a liquid. What is	a liquid?					
4.	Dra	raw the molecular diagram of a gas. What is a gas?							
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5.	wr	nat are intermolecular forces?							
6.	Α"	competition" always	exists between	and intermolecu	ular forces.				
7.	Dif	ferent substances ha	ve different melting poi	nts because the intermo	lecular forces	·			
	a)	exist	b) vary	c) increase	d) decrease				
8.	Wł	hy does the graph in figure 8.14 show a flat line during the phase change?							
9.	When a solid changes directly to a gas it is called								
	a)	condensation	b) evaporation	c) sublimation	d) freezing				
10.	At	At what temperature does matter break apart and change into plasma?							
11.	Ma	-made plasma is created when an electrical current is passed through a like							
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 ${\bf 12.}\ \ Complete \ the \ following \ table \ to \ demonstrate \ your \ knowledge \ of \ the \ different \ phases \ of \ matter.$

Phase	Energy	Characteristics	Temperature	Intermolecular Force
Solid		Holds shape and doesn't flow		weakest
	Molecules move around			
Gas			high	strong
	Atoms break apart		highest	