Matter

ter Chapter

	words in parentheses to fill in this	•	
	(tramet) is anything that takes up space and has mass. The four		
states of matter are (2)	(dlois)	, (3)	(quildi),
(4)	(sga), and (5)	(slampa). A	All matter is made
of (6)	(sartpicle). In a liquid,	the particles are moving	5
(7)	(strafe) than they do in a s	solid, but (8)	······································
(lowsre) than they do in a	gas. Particles in a gas have m	nore (9)	(ygreen)
than particles in a solid or	liquid. Honey and tar have h	nigher (10)	
	cause they are slower to flow.		
for each other creates (11)	(ru	faces)	(stenino
	t and water striders to walk o		
droplets are (12)	(dorun). A li	quid takes the	
	(heaps) of its container, b		
(lifsl) its container comple		•	
- Diractions: Evolain what is n	eeded for plasma to exist, and wh	pere it can be found	
	eeded for plasma to exist, and wil		
·			
Directions: List three amorp.			
16			
Directions: List five crystallin	e solids.		
17.			



Matter

Directions: Match the terms in Column II with the descriptions in Column I by writing the letter of the correct term in the blank at the left.

Column I	Column II			
1. Tar is hard to pour because it doesn't flow easily.	a. amorphous solid			
2. Energy from hot cocoa melts a marshmallow placed in it.	b. crystalline solid			
3. Like diamond, soot is made of carbon, but its atoms are arranged in a random manner.	c. freezing point			
4. Table salt changes to a liquid at 808°C.	d. heat			
5. Aluminum atoms are arranged in a repeating cubic pattern	e. matter			
6. This sheet of paper is an arrangement of shaking particles.	f. temperature			
7. A thermometer indirectly measures the average kinetic energy of particles.	g. melting point			
8. Water changes to ice at 0°C.	h. viscosity			
9. The three physical states are liquid, solid, and gas.	i. solid			
10. A pin can float on the water in a cup.	j. surface tension			
Directions: Answer the following questions on the lines provided. 11. Why does water fill the bottom of a glass, rather than cling to the sides?				
12. Why do beads of water often form on a slippery surface, such as a	freshly waxed car?			
13. What causes surface tension in water?				
14. Explain why certain bugs can walk on water.				
15. When does water begin entering the gaseous state?				