Lesson Outline	LESSON 1
Solids, Liquids, and Gases	
A. Describing Matter	
1. A form of matter is another name for a(n)	of matter.
a. The three most common states of matter on Earth are so, and gases.	olids,
b. Most of the matter in space is in a fourth state of matter, which is high-energy n	r called natter consisting
of positively and negatively charged particles.	
2. can be described in many ways.	
a. Some descriptions, such as color and odor, involve usir your	ıg
b. Other descriptions, such as mass or volume, are	
3. Particle and particle	
determine a substance's state of matter.	
a. No matter how close they are to each other, all particles	s have
motion.	
b. Particles that are free to move will move in a(n)	
line until they	with something.
4. There is a force of betw	veen positively charged
and negatively charged	·
a. When particles move and the attractive forces between them are	, they move closer together,
b. When particles move	, they move farther apart,
and the attractive forces between them are	·
B. Solids	
1. A solid has a definite	_ and a

definite _____.

2.	The type of solid depends on how the arranged.	in the solid a	re
	a. When the particles are arranged in a specific solid.	e, repeating order, the solid is a(n)	
	b. If the particles are randomly arranged, the second solid.	olid is a(n)	
Liqu.	uids		
1.	A liquid has a definite	but no	
2.	Unlike solids, liquids flow and can take the container.	of th	leir
3.	The particle motion in a liquid state of a substate than the particle motion in substance's solid state and the particle motion in substance is solid state.	nce is te.	
4.	The attractive forces between the particles in a than they are in a solid.	liquid are	
5.	A measurement of a liquid's resistance to flow	is its	
6.	The attraction between molecules that are alike called	, such as water molecules, is	
7.	Molecules at the surface of a liquid also have _ involves the uneven forces acting on the particl	, whi es on the surface of a liquid.	ch
8.	Usually, stronger	forces between particles is linked	
	to a greater	of a liquid.	
. Gase	es		
1	A gas has no definite	and no	
2	2. The distances between gas particles are so	and the	
	attractive forces so	that gas particles spread out to find	11
3	3. The gas state of a substances that is usually a is called a(n)	solid or a liquid at room temperature	