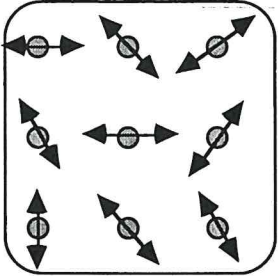
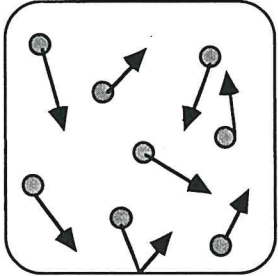
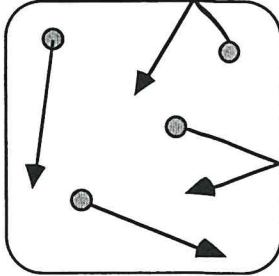


	SOLID	LIQUID	GAS
			
Particle Arrangement			
Shape of material			
Closeness of particles			
Material density			
Strength of attractive forces			
Strength of material			
Particle speed			
Temperature			
Ability to damage skin			

Complete this table

# SOLIDS, LIQUIDS & GASES

state	have mass	take up space	take up a definite amount of space	have definite shapes	spread out to take shape of its container	small amounts fill large containers	can be invisible
solids	YES						
liquids							
gases				NO			

1. Which properties do all solids, liquids, and gases have?

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2. Which properties do only gases have?

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3. Which property do solids and liquids have the gases do not have?

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4. Which property do only solids have?

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5. Which property do liquids and gases have the solids do not have?

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1. Complete the following charts:

	heat	cold
Speed at which particles move		
Distance apart of particles		
Force of attraction between particles		

	solid	liquid	gas
Speed at which particles move			
Distance apart of particles			
Force of attraction between particles			

2. Nick blew up a balloon in his room. When he took the balloon outside, it got bigger. Was it hotter or colder outside than in his room? Use the particle theory to explain your answer.

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3. During the winter it is often necessary to add air to a car's tires to maintain the proper inflation. Why is air needed? Explain using (PIASM)

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