

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Due Date: \_\_\_\_\_

# Kinetic Molecular Theory of Matter

Homework – Teacher’s Edition

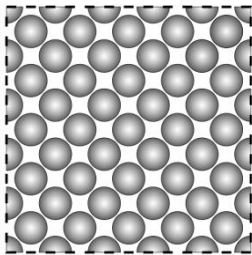
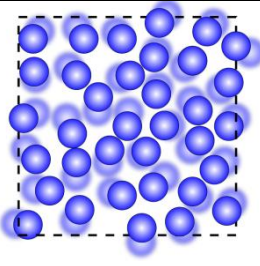
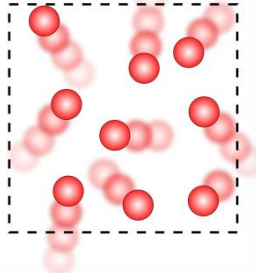
**Complete the Table to summarize the differences between solids, liquids and gases.**

	Solids	Liquids	Gases
Arrangement of particles			
Shape (draw a diagram)			
Shape of substance			
Level of energy possessed by particles			
Strength of forces involved:			
Processes involved to change state:			
Examples:			

# Kinetic Molecular Theory of Matter

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Complete the Table to summarize the differences between solids, liquids and gases.

	Solids	Liquids	Gases
Arrangement of particles	Tightly packed	Loosely packed	Separated
Shape (draw a diagram)			
Shape of substance	Has a fixed shape	Irregular Takes on the shape of the container	Spreads out to fill its container
Level of energy possessed by particles	Low energy	Medium energy	High energy
Strength of forces involved:	Strong forces	Weak forces	Negligent forces
Processes involved to change state:	Melting (solid to liquid) Sublimation (solid to gas)	Freezing (liquid to solid) Vaporisation (liquid to gas)	Condensation (gas to liquid) Deposition (gas to solid)
Examples:	Ice Iron. Magnesium, Calcium Sulfur	Water Mercury Bromine	Hydrogen Helium Oxygen Nitrogen