NAME:	

Chapter 2 Review for Test

1.	States of matter:						
	a. Solid — definite shape, definite volume, particles are packed						
	together tightly, not easily compressed. Examples include: ice (water at 0°C),						
	b. Liquid — has definite volume, not easily compressed, takes on the						
	shape of container (indefinite shape), particles are close but are free to flow. Examples at						
	room temperature: water, milk, grape juice						
	c. \bigcirc - takes the shape and volume of its container (indefinite						
	shape or volume), expands to fill up a container, particles are spaced relatively far apart,						
	easily compressed. Examples at room temperature: oxygen, hydrogen, helium, steam						
	(water above 100°C)						
	i. $\sqrt{\alpha \rho \sigma}$ – a gaseous substance that is generally a liquid or						
	solid at room temperature						
	ii. <u>Gas</u> – a substance that exists in the gaseous state at						
	room temperature						
2.	rhy Sical changes –alters a substance without changing its composition.						
	a. Examples include:						
	Culting a glading bar line						
	Cutting graning bending						
	Cuttivia, grivairia, benaira						
	breaking, mixing dissolving						
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3.	breaking, mixing, dissolving and changes of <u>State</u> (freezing, melting, boiling, condensation, evaporation, vaporization, sublimation)						
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4.	and changes of						

Ch	emistry NAME:				
	formation of a gas, formation of a precipitate (solid that forms and settles out of a liquid mix	ture).			
	Examples: rusting, cooking, digesting, burning				
6.	During physical or chemical changes, substances can absorb or give off				
7.	<u>Intensive</u> property – depends on the type of matter in a sample.				
	a. Examples include: freezing/melting/boiling point, density, able to conduct heat/elect	ricity			
8.	EXPOSIVE property – depends on the amount of matter in a sample				
	a. Examples are mass and volume. Smaller volume will heat up or cool down quicker				
9.	Filtration and Distillation – ways to separate mixtures based on physical properties				
	a. <u>Distillation</u> — a liquid is boiled to produce a vapor that is then con	densed			
	again to a liquid				
	b. Filtration — used to separate a solid from a liquid in a heterogen	eous			
	mixture				
10. First of thermodynamics (Conservation) - mass of the					
	reactants equals the mass of the products. Mass is neither created nor destroyed. Energy is	neither			
	created nor destroyed				
11.	Reactants → products. <u>Reactants</u> – starting substance in a chemical read	ction.			
	<u>Products</u> – substances formed in a chemical reaction				
12.	<u>Mass</u> –measurement of the amount of matter that an object contain	าร			
13.	Volume – amount of space something takes up				
14.		Heterogeneou			
	a. Homogeneous mixtures – also known as solutions, have a uniform				
	composition, consist of 2 things that are simply mixed together (physical change)	different composition			
15.	<u>Element</u> — simplest form of matter with a unique set of properties.	wigod no.			
a. Chemical symbols are found on the Periodic Table and consist of 1 to 2 letters. First letter					
	always capitalized and if there is a second letter, it is always lower case.				

b. Examples: Carbon (C), Hydrogen (H), Oxygen (O), Iron (Fe), Sodium (Na)

17. Periodi	c Table:	^	labeled	1-18
a.	Group	– vertical column 🛮 🗸	Labella	1 10
b.	Period	– horizontal row 😝	labeled	1-7