Name	eHour Chemistry Unit (Part 3) - Study Guide
Goa	al 1
Fill in	the missing definitions:
1.	Physical property –
2.	Mass – the amount of matter in an object
3.	Solubility –
4.	Conductivity — the ability to pass electricity or heat through it easily. Ex: metals, including copper
5.	Elasticity - the ability to be stretched and return to original position. Ex: rubber band
6.	Luster - – ability to shine or reflect light. Ex: water or glass
7.	Magnetism -
8.	Malleability – the ability to compress, smash, or dent, without breaking or cracking. Ex: a penny
9.	List 4 physical properties of a paperclip.
10.	What is the boiling/condensation point of water in degrees Celsius & Fahrenheit?
11.	What is the melting/freezing point of water in degrees Celsius & Fahrenheit?
12.	Chemical property -

13. Flammability – the ability of something to catch on fire

14. Oxidation - when a substance changes to another substance when exposed to oxygen

15. Reactivity - The ability of a substance to react with water, air or another substance

Goal 2/3

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16.	Explain 2 ways you	can physically change an apple.
17.	Explain 2 ways you	can chemically change an apple.
18.	List all of the signs y	ou would look for to determine if a chemical change has occurred.
19. expla	Identify the following in how you know on th	changes as either physical or chemical by circling physical or chemical and ne line provided.
a. Bre	eaking a ceramic vase	Physical or Chemical
	How do you know?	
b. Ro	tting apple	Physical or Chemical
	How do you know?	
c. M	elting ice	Physical or Chemical
	How do you know?	
Goa	al 4	
20.		
	the ingredients togethes in a 375°F oven.	He started with 22 g of cookie mix and 21 g of eggs and 11 g of oil. He mixed er – no other ingredients were added or lost. He then baked them for 45 eginning mass of all the ingredients?
	b. What should be	the ending mass?
	c. Is this an examp	le of a physical or chemical change and explain how you know.

22.	Define the Law of Conservation of Mass – both parts.			
23.	Why is it necessary to have a closed system during a physical and chemical change?			
Goa	<u>al 5</u>			
Define each term. Give an example of each and explain why it is an example.				
24.	Exothermic process -			
	Example:			
	Why:			
25.	Endothermic process -			
	Example:			
	Why:			
26.	Exothermic reaction -			
	Example:			
	Why:			
27. Endothermic reaction –				
	Example:			
	Why:			