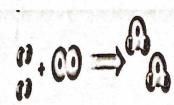
Science Grade 5 Chapter 6: Physical and Chemical Changes Lesson 2: compounds and chemical changes

Please answer the following the following questions

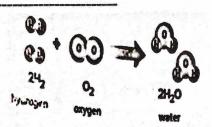
•	Which process release carbon dioxide?	
	o Ice melting	
	o Salt being stirred in water	
	Wood burning	
	o Rain falling	
•	is formed by combination of two or more elements	
	o Reactants and the rounded with the protection of the second of the sec	
	6 Compound	
	o Metals	
	o Atoms	
•	is compound formed when iron combines with oxygen in the	e air
	o Carbon dioxide	
	O Water burner and the last regardless to King the Lands of the last the la	
	Rust	
	o Table salt	
•	Which compound could be tarnish on a metal?	
	o CO ₂	
	o C ₆ H ₁₂ O ₆	
	o HCO3	
•	The chemicals on the left side of a chemical equation ————————————————————————————————————	
	o Metals	
	Reactants	
	o Products	
	o Compounds	
•	The chemicals on the right side of the chemical equation-	
	o Metals	
	o Reactants	
	o Products	
	o Compounds	
W	hat is the substance produced by a chemical reaction called?	
	o Metals	
	o Reactants	
	@ Products	
	o Compounds	

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- What is a substance that is used up during a chemical reaction called?
 - o Metals
 - Reactants
 - o Products
 - o Compounds
- Vinegar is added to baking soda and bubbles of carbon dioxide rapidly form. A cloudy liquid is left behind. What are products in this chemical reaction
 - o Vinegar and the cloudy liquid
 - o Vinegar and baking soda
 - o Carbon dioxide and baking soda
 - & Carbon dioxide and the cloudy liquid
- Which are the reactants in this reaction? $6 \text{ CO}_2 + 6 \text{ H}_2\text{O} \longrightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$
 - o C6H12O6
 - C6H12O6+6O2
 - o 6 CO₂
 - o 6 CO2 + 6 H2O
- What happens to a matter during a chemical; change?
 - Atoms are rearranged to form new substances
 - o Some atoms melt or evaporate
 - o Some atoms disappear
 - o New atoms are formed
 - Study the diagram below. According to the law of conversation of mass, both sides of the arrow have:
 - o The same arrangement of atoms
 - The same total number of each type of atom
 - o Elements in the same state of matter
 - o An equal number of reactants and products



- The chemical reaction below shows the formation of a(n)
 - o Mixture
 - **Compound**
 - o Acid
 - o salt



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- What is the Law of Conservation of Mass?
 - The total mass of reactants equal the total mass of the products in chemical reaction
 - The total mass of reactants greater than the total mass of the products in chemical reaction
 - The total mass of reactants lower than the total mass of the products in chemical reaction
 - The total mass of reactants different than the total mass of the products in chemical reaction
- If 32 atoms of hydrogen react completely with 16 atoms of oxygen, how many molecules of water will be made?
 - o 16 water molecules
 - o 32 water molecules
 - 8 water molecules
 - o 2 water molecules
- (H20) Only 8 can be formp
- Name the product in the following chemical equation:: $2Mg + O_2 \rightarrow 2MgO$
 - o magnesium
 - o oxygen
 - o reactant
 - 2MgO
- Name the product in the following chemical equation: $2H_2 + O_2 -> 2H_2O$
 - o 2H₂
 - 02
 - o reactant
 - 3H2O
- Which are the reactants in this reaction? NaHCO₃ + HC₂ H₃ O₂ -> H₂O + CO₂ + NaC₂ H₃O₂
 - NaHCO₃ + HC₂ H₃ O₂
 - o Water
 - Carbon dioxide
 - H₂O + CO₂ + NaC₂ H₃O₂
- How do atoms combine to form molecules and compounds? | ectrons, | By exchanging or sharing electrons, | Bonding |

 How are compounds and chemical reactions related? the the chemical |

 Compounds are formed the the chemical