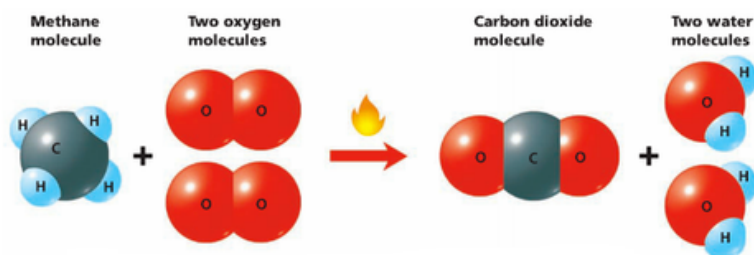


name: _____

INTERVENTION 1.3 & 1.6

Law of Conservation of Mass/Physical and Chemical Changes

Use the picture to the left to answer #1-4

1. What are the reactants?

2. What are the products?

3. In the above picture, how many Oxygen (O) ATOMS are in the reactants? _____ products _____?

4. In the above picture, how many Hydrogen (H) ATOMS are in the reactants? _____ products _____?

5. If **six** carbon atoms react with water to form sugar, how many carbon atoms are in the products? _____

6. The formula for the reaction of NaCl and AgNO₃ is: $\text{NaCl} + \text{AgNO}_3 \rightarrow \text{NaNO}_3 + \text{AgCl}$
 What are the reactants? _____ What are the products? _____








7. The chemical equation for Elephant's Toothpaste is:

a. What are the **reactants** in this reaction?b. What are the **products** in this reaction?

8. Draw examples of 5 KEYS to identify a chemical change (you can find these in your notes).

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Identify the following as a Physical or Chemical Change. Put a P for Physical & a C for Chemical.

Example	P for Physical OR C for Chemical	Example	P for Physical OR C for Chemical
 <p>butter melts in a microwave</p>		 <p>powders react to heat a hand-warmer</p>	
 <p>gasoline is burned in an engine</p>		 <p>rust forms on an old tool left outside</p>	
 <p>liquid nitrogen boils into a gas</p>		 <p>liquids combine to light up a glowstick</p>	
 <p>a pond freezes over in winter</p>		 <p>food scraps decompose</p>	
 <p>meat is cooked in an oven</p>		 <p>water boils in a pan on the stove</p>	
 <p>clay molded into a sculpture</p>		 <p>an Alka-Seltzer tablet makes gas bubbles when it reacts</p>	
 <p>ripping aluminum foil into pieces</p>		 <p>swimming pool water evaporates</p>	