Name: _____ Physical and Chemical Changes Prep Task

Directions: Read each statement and decide if it is a chemical change or a physical change and then place a check in the appropriate column for each statement.

➡ **Physical Change:** The substance simply changes shape, size, phase, etc, it only changes how it appears.

➡ **Chemical Change:** The substance burns/reacts and can release some of it's "parts" into the air. The substance completely changes to something brand new!

Change	Physical Change	Chemical Change
1. Salt dissolves in water		
2. Acid reacts with magnesium and produces hydrogen gas		
3. A piece of copper is cut in half		
4. A sugar cube is ground up		
5. Water is heated and changes to steam		
6. Iron rusts		
7. Ethyl alcohol evaporates		
8. Ice melts		
9. Milk sours		
10. Food is digested in the stomach		
11. Paper burns		
12. Fireworks explode		
13. Alka-seltzer gives off carbon dioxide		
14. Water absorbed by paper towel		
15. Pancakes cook on a griddle		

Physical Change vs. Chemical Change

How to tell the difference...

Evidence:	
Physical	**Chemical**
1. Color changes - ex. with crayons	1. Color change - new substance
2. Phase changes	2. Bubbling or foaming
3. Shape changes	3. Fizzing
4. Size changes	4. Heat
5. Dissolving -substance disappears in water	5. Light or sound
6. Bending, crushing, cutting, mixing	6. Smell (odor)

Label each of the following as a Physical or Chemical change: Evidence:

1. Butter melting _____ _____

2. Wood rotting _____ _____

. Fall leaves changing color _____ _____

4. Burning sugar _____ _____

5. Digesting a hamburger _____

6. Mixing chocolate into milk _____

7. Cutting an apple _____ _____

8. Rust forming on a tin can _____ _____

9. Burning toast in the toaster _____ _____

10. Baking bread in the oven _____

11. Ripping up a note _____ _____

12. Etching glass with acid _____ _____

13. Painting a fence _____

14. Chewing a carrot _____

15. Roasting marshmallows in fire _____