

**United Streaming**  
**Physical & Chemical Changes**

Name \_\_\_\_\_

1. A physical change is a change in the physical properties of matter, such as a change in \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_ of matter without the matter changing chemically.
2. In physical changes you have the same matter \_\_\_\_\_ and \_\_\_\_\_ the change.
3. A chemical \_\_\_\_\_ is a way to describe how matter reacts with other matter.
4. Flammability means that the matter has the ability to \_\_\_\_\_.
5. Another clue that a chemical change has occurred when paper is burned is that \_\_\_\_\_ is given off.
6. A chemical \_\_\_\_\_ is the process by which a certain substance becomes a different substance.
7. In a chemical change a \_\_\_\_\_ substance is formed.
8. Identify if each example is a physical or chemical change. Use P for physical and C for chemical.
  1. A saw cuts a log and creates sawdust - \_\_\_\_\_
  2. Electricity from a battery causes a light bulb to light - \_\_\_\_\_
  3. Mixing sugar and powdered drink mix - \_\_\_\_\_
9. The process of rusting is a \_\_\_\_\_ chemical change. When \_\_\_\_\_ reacts with oxygen in the air, it corrodes creating a new substance. \_\_\_\_\_ is another slow chemical change that occurs when living things are broken down.
10. The burning of logs is an example of a \_\_\_\_\_ chemical change. Many of the chemical changes in our \_\_\_\_\_ and the \_\_\_\_\_ of dynamite are fast chemical changes.
11. A chemical \_\_\_\_\_ is a chemical change in which one or more substances is changed.
12. \_\_\_\_\_ is an important chemical reaction in plants that is used to produce energy for the plant.

**Video Quiz Answers**

- |          |           |
|----------|-----------|
| 1. _____ | 6. _____  |
| 2. _____ | 7. _____  |
| 3. _____ | 8. _____  |
| 4. _____ | 9. _____  |
| 5. _____ | 10. _____ |



## *Physical & Chemical Changes*

Use your knowledge of physical and chemical changes to identify at least one way to change each substance listed below physically and chemically.

<b>Substance</b>	<b>Physical Change</b>	<b>Chemical Change</b>
Paper		
Milk		
Baking Soda		
Candle		
Rocks		
Alka Seltzer Tablet		
Wood		
Apple		
Iron Nail		

## *Physical & Chemical Changes* **Answer Key**

*Possible answers are listed below.*

<b>Substance</b>	<b>Physical Change</b>	<b>Chemical Change</b>
Paper	Rip it, tear it, write on it,	Burn it
Milk	Mix it with chocolate syrup	Let it spoil
Baking Soda	Mix it with water	Mix it with vinegar
Candle	Melt it	Burn it
Rocks	Break into pieces	Chemical weathering
Alka Seltzer Tablet	Break into pieces	Mix with water
Wood	Chop into pieces or paint it	Burn it
Apple	Cover it with caramel or cut into pieces	Let it oxidize
Iron Nail	Bend it	Let it rust