

Physical and Chemical Changes

Use your knowledge of what a physical and chemical change is to determine what is happening to the examples below.

Remember;

- A physical change is **reversible**, a chemical change **is not**. For example, the freezing of water would be a physical change because it can be reversed, whereas the burning of wood is a chemical change - you can't 'unburn' it
- A **physical change** is a change in which **no new substance is formed**. For example, freezing water into ice just results in water molecules that are 'stuck' together - it's still H₂O.
- A **chemical change** results in the **formation of one or more new substances**. Again, consider the previous examples: Whereas burning wood results in ash, carbon dioxide, etc, all new substances that weren't there when you started.

		Physical Change	Chemical Change
1	Tear up paper		
2	Dissolve salt into water		
3	Mix vinegar and baking soda		
4	Banana ripening		
5	Alka Seltzer in water		
6	Pocket hand warmers		
7	Fire		
8	Milk going sour		
9	Wax melting		
10	Cookies baked		
11	Coke can crushed		
12	Water boiling		
13	Ice melting		
14	Steel bar melted		
15	Candy bar melted		
16	Bread made		
17	Candle burning		
18	Lemonade mix dissolved in water		
19	Glass Breaking		
20	Hammering wood together		
21	Bike rusting		
22	Melting butter for popcorn		
23	Separating sand from gravel		
24	Spoiling food		
25	Mowing the lawn		
26	Bleaching your hair		
27	Fireworks exploding		