

Name: _____

Date: _____

Worksheet 2B Physical/Chemical Properties & Changes (Nelson p.168-170)

1. Matching **each term** below with **its definition**.

Chemical change**Physical change****Physical property****Chemical property**

Term	Definition
	1. A change in which two or more substances react together, and a new substance is made.
	2. A characteristic of a substance that can be seen with 5 senses.
	3. Describes the behavior of a substance, as it becomes a new substance.
	4. A change in which the substance involved stays the same.

2. Which are **physical (P)** or **chemical properties (C)**?

Statements	P/C
1) Sugar dissolves in water.	
2) Magnesium burns in air.	
3) Ice has a density of 0.92 g/cm^3 .	
4) A small piece of gallium metal melts if you hold it in your hand.	
5) Vinegar tastes sour.	
6) Baking soda is a white powder.	
7) Fluorine is highly reactive element.	
8) Sugar turns black when heated for a long time.	
9) Chlorine combines with sodium to form sodium chloride.	
10) Water boils at 100°C .	

3. Is this physical change (P) or chemical change (C)?

Statements	P/C
1) Burning of natural gas.	
2) Grinding of coffee beans.	
3) Ice cream melts.	
4) A match lights when strike.	
5) Sugar dissolves in tea.	
6) Baking a cake.	
7) Sodium reacts with water.	
8) Formation of ice cubes.	
9) Explosion of firecrackers.	
10) Formation of clouds.	

4. True (T) or False (F)?

Statement	T/F
1. A physical change produces a new substance.	
2. The formation of ice is a chemical change.	
3. A new colour tells you there is a chemical change.	
4. A chemical change is a change of state or form.	
5. Colour and hardness are examples of physical properties.	
6. The ability to react with air is an example of a chemical property.	