



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 15.03.21

Duration: 40 min

Worksheet Solution 18

Full Marks: 15

PHYSICAL AND CHEMICAL CHANGE

Choose the Correct options:

1. What kind of properties can only be observed when a substance changes into a different substance?

- a) physical properties
- b) chemical properties**
- c) liquid properties
- d) real properties

2. Which of the following is a chemical property of water?

- a) Reacts with pure sodium.**
- b) Boils at 100 °C.
- c) Dissolves sugar easily.
- d) Has a density of 1 gm/mL

3. What is an example of a chemical change that happens inside your body?

- a) Food being broken down by enzymes in your stomach**
- b) Food being broken into small pieces by your teeth
- c) Food being moved from your oesophagus into your stomach
- d) water being absorbed inside your large intestine

4. Define a Physical Property

- a) A property of matter not involving in its manifestation a chemical change**
- b) A property in which stops a chemical reaction from occurring
- c) .A property or behaviour of a substance which undergoes a chemical change or reaction.
- d) A property which makes the object smell or taste different.

5. Define a Chemical Property

- a) A property of matter not involving in its manifestation a chemical change
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6. Is ripping paper a chemical or physical change?

- a) Chemical
- b) Physical**
- c) Neither
- d) both

7. Is cooking an egg a

- a) **chemical change**
- b) physical change
- c) neither
- d) both

8. Is a car getting rusty a

- a) **Chemical Change**
- b) Physical Change
- c) Both
- d) Neither

9. When gases condense and liquids freeze energy is

- a) **Lost**
- b) Gained
- c) Stays the same
- d) Cannot say

10. What does it mean when there is a physical change?

- a) Matter has changed from one substance into another
- b) Matter has changed on the molecular level
- c) A new substance has been formed
- d) **Matter has changed size, shape or form**

11. Which of the following is NOT an example of a physical change?

- a) crumpled paper
- b) pencil sharpening
- c) shrunken clothing
- d) **sour milk**

12. Green bananas turning yellow on their own as they ripen.

- a) **Chemical Change**
- b) Physical Change
- c) Both
- d) neither

13. Unexpected changing of colour is a sign of a _____ change.

- a) Physical
- b) **Chemical**
- c) Both
- d) neither

14. When solids become liquids and liquids become gases energy is

- a) **Gained**
- b) Lost
- c) Stays the same
- d) Cannot say

15. Two liquids are mixed, as a result, a solid is formed. This is evidence of..

- a) **New substances being formed**
- b) physical change
- c) chemical imbalance
- d) nuclear change