



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub:Physical Science

Class: 8

Date: 08.04.20

Duration: 40 mins

Worksheet 2

Full Marks: 15

PHYSICAL AND CHEMICAL CHANGES/ PHYSICAL CHANGE

Choose the Correct options:

1. Thermal expansion generally occurs when a substance is
Ans (a)Heated (b)Cooled (c)Inflated (d) Pressurized
2. An inflated balloon kept near a hot bulb bursts. Why?
Ans (a)Thermal (b)Melting (c)Chemical reaction (d) Insects bite expansion
3. Which theory explains change of state?
Ans (a) Kinetic theory (b) Dalton's atomic theory (c) Bohr's theory (d) Conservation theory
4. Which energy of the molecules decreases on cooling?
Ans (a) Electrical (b) Kinetic energy (c) Potential energy (d) Light energy
5. Which of the following is not a sublimate?
Ans (a) Naphthalene (b) camphor (c) Chlorine (d) iodine
6. The substance that dissolves in a solution
Ans (a) solute (b) solvent (c) solution (d) suspension
7. Dry ice is used to form artificial smoke because it is
Ans (a) a sublimate (b) has high melting point (c) Has low melting point (d)Is abundant in nature
8. Salt dissolves in water and the volume
Ans (a) Increases (b) decreases (c) remains unchanged (d) becomes zero
9. Kinetic energy changes during
Ans (a) Expansion (b)Contraction (c) Rise in temperature (d) Change of state
10. A physical change is generally
Ans (a) Reversible (b) Irreversible (c) Random (d) Continuous
11. Breaking of a glass is an example of
Ans (a) Physical change (b) Chemical change (c) Reversible change (d) Desirable change
12. When solute is dissolved in a solvent it is a
Ans (a)Physical change (b)Reversible change (c) Irreversible change (d) Both (a) and (b)
13. Energy is released in
Ans (a) Melting (b)Boiling (c) freezing (d) sublimation
14. Tearing a piece of paper is
Ans (a) Physical change (b)Chemical change (c) Irreversible change (d) Both (a) and (c)
15. Physical change always
Ans (a) Is reversible (b) has no new substance formed (c) does not involve energy change (d)Both (a) and (b)