



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:

- Thermal expansion generally occurs when a substance is
Ans (a) **Heated** (b) Cooled (c) Inflated (d) Pressurized
- An inflated balloon kept near a hot bulb bursts. Why?
Ans (a) **Thermal expansion** (b) Melting (c) Chemical reaction (d) Insects bite
- Which theory explains change of state?
Ans (a) **Kinetic theory** (b) Dalton's atomic theory (c) Bohr's theory (d) Conservation theory
- Which energy of the molecules decreases on cooling?
Ans (a) Electrical energy (b) **Kinetic energy** (c) Potential energy (d) Light energy
- Which of the following is not a sublimate?
Ans (a) Naphthalene (b) camphor (c) **Chlorine** (d) iodine
- The substance that dissolves in a solution
Ans (a) **solute** (b) solvent (c) solution (d) suspension
- 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
- Salt dissolves in water and the volume
Ans (a) Increases (b) decreases (c) **remains unchanged** (d) becomes zero
- Kinetic energy changes during
Ans (a) Expansion (b) Contraction (c) **Rise in temperature** (d) Change of state
- A physical change is generally
Ans (a) **Reversible** (b) Irreversible (c) Random (d) Continuous
- Breaking of a glass is an example of
Ans (a) Physical change (b) Chemical change (c) Reversible change (d) Desirable change
- 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)**
- Energy is released in
Ans (a) Melting (b) Boiling (c) **freezing** (d) sublimation
- Tearing a piece of paper is
Ans (a) Physical change (b) Chemical change (c) Irreversible change (d) **Both (a) and (c)**
- Physical change always
Ans (a) Is reversible (b) **has no new substance formed** (c) does not involve energy change (d) Both (a) and (b)