



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Physical Science**

**Class: 8**

**Date: 23.01.21**

**Duration: 40 min**

**Worksheet Solutions 03**

**Full Marks: 15**

## MATTER

### Choose the Correct options:

- 1) Change of state occurs when energy is  
(a) Absorbed (b) Evolved (c) **Both (a) and (b)** (d) None of these
- 2) The temperature \_\_\_\_\_ during melting.  
(a) Rises (b) Falls (c) **Stagnates** (d) Varies randomly
- 3) Process of change of solid to liquid is called  
(a) **Melting** (b) Freezing (c) Condensation (d) Deposition
- 4) At normal atmospheric pressure, melting point of pure ice is  
(a) **0°C** (b) 32°C (c) 4°C (d) 100°C
- 5) At normal atmospheric pressure, freezing point of pure water is  
(a) 100°C (b) 32°C (c) 4°C (d) **0°C**
- 6) The process of vaporisation that can take place at any temperature is called \_\_\_\_\_.  
(a) Boiling (b) **Evaporation** (c) Diffusion (d) none of these
- 7) The process of vaporisation that can take place at a fixed temperature is called \_\_\_\_\_.  
(a) **Boiling** (b) Evaporation (c) Diffusion (d) none of these
- 8) \_\_\_\_\_ is a surface phenomenon.  
(a) Boiling (b) **Evaporation** (c) Diffusion (d) none of these
- 9) \_\_\_\_\_ is a rapid process of vaporisation.  
(a) **Boiling** (b) Evaporation (c) Diffusion (d) none of these
- 10) Boiling point of alcohol at normal atmospheric pressure is \_\_\_\_\_.  
(a) 100°C (b) **78°C** (c) -114°C (d) 0°C
- 11) Another name for melting is \_\_\_\_\_.  
(a) **fusion** (b) Liquefaction (c) Condensation (d) Deposition
- 12) The addition of salt to ice cream helps to \_\_\_\_\_ the melting point of ice.  
(a) Raise (b) **Lower** (c) Stabilize (d) Determine
- 13) Heat absorbed during melting point is used to increase \_\_\_\_\_.  
(a) Kinetic energy (b) Temperature (c) **Intermolecular space** (d) Intermolecular force
- 14) What is the lowest temperature attained with a salt and ice mixture?  
(a) 10°C (b) 21°C (c) **-21°C** (d) 0°C
- 15) The temperature remains constant during the process of \_\_\_\_\_.  
(a) Melting (b) Freezing (c) **Both (a) and (b)** (d) Combustion