



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 11. 04.20

Duration: 40 min

Worksheet Solution 5

Full Marks: 15

## HEAT/EVAPORATION AND BOILING

Choose the Correct options:

- SI unit of heat is  
Ans (a) **joule** (b) erg (c) g-cm (d) Kg-m
- The degree of hotness or coldness of a body is called  
Ans (a) **Temperature** (b) Volume (c) Size (d) Heat
- Which theory explains change of state?  
Ans (a) **Kinetic theory** (b) Dalton's atomic theory (c) Bohr's theory (d) Conservation theory
- Temperature at which boiling takes place is  
Ans (a) **Boiling point** (b) Condensation point (c) Saturation point (d) Freezing point
- On heating molecules execute  
Ans (a) **Vibrations** (b) Circular motion (c) Random motion (d) somersaults
- When solid changes to a liquid the process is called  
Ans (a) **melting** (b) freezing (c) condensation (d) boiling
- Boiling takes place  
Ans (a) **throughout the volume** (b) On the surface (c) In films (d) On solute particles
- Evaporation takes place from  
Ans (a) Edges (b) **Surface** (c) Bottom of the container (d) Entire volume
- Kinetic energy changes during  
Ans (a) Expansion (b) Contraction (c) **Rise in temperature** (d) Change of state
- Boiling is a \_\_\_\_\_ process  
Ans (a) **Endothermic** (b) Exothermic (c) Chemical change (d) Surface
- Cooling is caused by  
Ans (a) **evaporation** (b) boiling (c) burning (d) neutralization
- Earthen pots are used in summer because of  
Ans (a) Filtration (b) Osmosis (c) **Evaporation** (d) Both (a) and (b)
- Hot tea is cooled in a saucer because of  
Ans (a) **larger surface area** (b) faster air (c) higher temperature (d) tea cools faster than water
- Perspiration in summer keeps the body  
Ans (a) warm (b) moist (c) **cool** (d) Both (a) and (c)
- Vaporization can occur as  
Ans (a) Boiling (b) Evaporation (c) melting (d) **Both (a) and (b)**