



ST. LAWRENCE HIGH SCHOOL
A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Physical Science
Duration: 40 min

Class: 8
Worksheet Solution 11

Date: 20. 02.21
Full Marks: 15

HEAT/EVAPORATION AND BOILING

Choose the Correct options:

1. SI unit of heat is
Ans (a) **joule** (b) erg (c) g-cm (d) Kg-m
2. The degree of hotness or coldness of a body is called
Ans (a) **Temperature** (b) Volume (c) Size (d) Heat
3. Which theory explains change of state?
Ans (a) **Kinetic theory** (b) Dalton's atomic theory (c) Bohr's theory (d) Conservation theory
4. Temperature at which boiling takes place is
Ans (a) **Boiling point** (b) Condensation point (c) Saturation point (d) Freezing point
5. On heating molecules execute
Ans (a) **Vibrations** (b) Circular motion (c) Random motion (d) somersaults
6. When solid changes to a liquid the process is called
Ans (a) **melting** (b) freezing (c) condensation (d) boiling
7. Boiling takes place
Ans (a) **throughout the volume** (b) On the surface (c) In films (d) On solute particles
8. Evaporation takes place from
Ans (a) Edges (b) **Surface** (c) Bottom of the container (d) Entire volume
9. Kinetic energy changes during
Ans (a) Expansion (b) Contraction (c) **Rise in temperature** (d) Change of state
10. Boiling is a _____ process
Ans (a) **Endothermic** (b) Exothermic (c) Chemical change (d) Surface
11. Cooling is caused by
Ans (a) **evaporation** (b) boiling (c) burning (d) neutralization
12. Earthen pots are used in summer because of
Ans (a) Filtration (b) Osmosis (c) **Evaporation** (d) Both (a) and (b)
13. 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
14. Perspiration in summer keeps the body
Ans (a) warm (b) moist (c) **cool** (d) Both (a) and (c)
15. Vaporization can occur as
Ans (a) Boiling (b) Evaporation (c) melting (d) **Both (a) and (b)**