

SUMMER HOLIDAY HOMEWORK

MODERN PUBLIC SCHOOL SEC-37, FBD

SESSION- 2022-23

CLASS - IX

SUBJECT - SCIENCE

- Q-1- Explain the factors affecting the rate of evaporation or conditions.
- Q-2- Show graphically, how will you interpret the speed, velocity and acceleration of an object in motion on A3 size sheet.
- Q-3- Represent the Tyndall effect and Brownian movement diagrammatically with daily life instances.
- Q-4- Explain the endosmosis and exosmosis with the help of apricot, raisins in hypotonic and hypertonic solution.
- Q-5- On sprinkling salt on cucumber slices, in some times water is released. Think and discuss the phenomenon taking place.
- Q-6- Tabulate physical and chemical changes taking place around you with examples from living beings.
- Q-7- On a 120km track a train travels the first 30km at a uniform speed of 30kmh^{-1} , calculate the speed with which the train should move rest of the track so as to get the average speed of 60kmh^{-1} for the entire trip.

Q-8- Air is a chemical compound or a mixture? Support your answer by suitable Facts.