



INDIAN SCHOOL NIZWA - WORKSHEET

CHEMISTRY

CH: 1 MATTER IN OUR SURROUNDINGS

Class: IX

- Which phenomenon occurs during the following changes?
 - Formation of clouds
 - Drying of wet clothes
 - Wax melts in the sun
 - Size of naphthalene balls decreases
- “Evaporation causes cooling”. Explain the reason for this effect.
- What is evaporation? In the following examples state which factor is responsible for the change in the rate of evaporation and how?
 - Clothes dry faster on a windy day
 - Wet clothes dry faster on spreading them
 - Clothes dry faster in sun than in shade
 - Clothes take longer time to dry on a rainy day.
- The melting points of two substances P & Q are 315 K and 405 K respectively. Which of them have stronger bonds?
- Give two examples where compressibility of gases is made use of.
- Sponge is a solid, yet we are able to compress it. Why?
- When a solid melts its temperature remains constant. Explain.
- Select the substances which undergo sublimation.
Solid CO₂, Solid water, ammonium chloride, salt, naphthalene, cheese, camphor.
- Convert the following temperatures into that on Kelvin scale. a) 73°C b) 200°C c) 125°C
- Is evaporation faster near the sea or far away from the sea? Give reason for your answer.
- What do you mean by dry ice? Why is CO₂ kept under low pressure?
- How does diffusion of honey differ from the diffusion of ink and why?