

DELHI PUBLIC SCHOOL, JAMMU

WEEKLY ASSIGNMENT

(2017-18)

CLASS: IX

SUBJECT: SCIENCE

CHEMISTRY (Matter in our surroundings, Is matter around us pure &Atoms and molecules)

Q1. The temperature on Kelvin scale is 468K.. What is corresponding temperature on Celsius scale ?

Q2. What are the factors which affect the rate of evaporation ?

Q3. Explain the following.

- a) Liquids generally have lower density than solids , but ice floats on water.
- b) A diver is able to cut through water in a swimming pool.
- c) Water kept in the earthen pot remains cool during summers.

Q4. How is water purified at water works?

Q5. What is a colloidal solution ? Discuss its properties and give suitable examples .

Q6. Define saturated solution ? What will happen if a saturated solution is cooled ?

Q7. How will you separate the mixture of two immiscible liquid? State the principle involved in the process.

Q8. Differentiate between molecules of an element and molecule of a compound.

Q9. Calculate the mass of 10^{21} molecules of CO_2 .

Q10. Calculate the no of constituent atoms in 53g of Na_2CO_3 .