

Chemistry (New Book) - 9th Class Chemistry English Medium Short Question Preparations

Q1. Anode of down's cell is made up of non-metal, what is its name? What is the function of this anode?

Ans 1: Anode of down's cell is made of non-metal its name is graphite. The Cl⁻ ions are oxidized to give Cl₂ gas at anode.

Q2. Write two uses of silver.

Ans 1: 1-Alloys of silver with copper are widely used in making coins, silverware and ornaments
2- Compounds of silver are widely used in photographic films and dental preparations

Q3. Differentiate between colloidal solution and suspension.

Ans 1: Colloid:

In this solution the particles of solute do not homogenize with solvent

Starch protein is the example

In filtration the particles are being filtered with no residue

Suspension :

In suspension the particles do not dissolve with solvent

Mixture of chalk in water is the example

In filtration the particles are being separated and being residue.

Q4. Which group of metals is highly reactive ?

Ans 1: Group -1 are highly reactive elements in periodic table electronic configuration . As there is only one electron in their valence shell.

Q5. What is meant by electrolytic cell?

Ans 1: The type of electrochemical cell in which a non-spontaneous chemical reaction takes place when electric current is passed through the solution is called electrolytic cell.

Q6. What do you mean by malleable and ductile?

Ans 1: Malleable:

The property of metals that it can be converted into sheets is called as malleability

Ans 2: Ductile:

The property of metals that it can be converted into wires is called as Ductility.

Q7. Why HF is a weak acid?

Ans 1: HF is weak acid, because in HF -Compound. There is strong intermolecular bonding, So, it does not readily ionize in water and release H^+ in water the strong acid is that which readily ionized in water but HF^+ does not easily ionized in water.

Q8. Define Non -Metal.

Ans 1: Non-metals are usually non-flexible on heating. They are easily cut and break.

Q9. What is the difference between steel and stainless steel?

Ans 1: Steel is a mixture while stainless steel is an alloy.

Q10. Name the most abundant non-metal in earth's crust?

Ans 1: Oxygen has the highest percentage in earth's crust 47% and oceans 80% but second highest percentage in atmosphere 21%
