

AP Board Intermediate 2nd Year Chemistry Important Questions

- (a) State and explain Kohlrausch's law of independent migration of ions.
(b) What is order of a reaction? How is it different from the molecularity of a reaction? Give one example each for first order and second order reactions
- (a) How is ozone prepared? How does ozone react with?
(i) PbS (ii) Moist KI (iii) Hg and (iv) Ag. Give equations.
(b) Write the balanced equations for the following
(i) NaCl is heated with conc. H_2SO_4 in the presence of MnO_2
(ii) Chlorine is passed into a solution of NaI in water .
- (a) Explain (i) Cannizaro reaction and (ii) Decarboxylation
(b) Explain the acidic nature of phenols and compare it with that of alcohols.
- Explain Werner's theory of coordination compounds with suitable examples.
- What are Schottky defects in crystalline solids?
- Calculate the mole fraction of sodium hydroxide in 10% ww NaOH solution
- How is change in Gibbs energy (ΔG) related to the emf (E) of a galvanic cell?
- What is the role of cryolite in the extraction of aluminium?
- What is catalysis? What are the types of catalysis? Give one example for each type.
- Write short notes on (a) Analgesics and (b) Food Preservatives
- Explain (a) Sandmeyer reaction and (b) Carbylamine reaction.
- What is PHBV? How is it useful to man?
- How do you distinguish between crystal lattice and unit cell?
- Explain the structures of (a) XeF_4 and (b) XeOF_4