4

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Paper Code

How neutron was discovered? Explain with the help of an experiment also write four properties of neutron. The equilibrium constant for the reaction between acetic acid and ethyl alcohol is 4.0. A mixture of 3 moles of 7. (a) 0 acetic acid and one mole  $C_2H_5OH$  is allowed to come to equilibrium. Calculate the amount of ethyl acetate at (b) equilibrium state in no of moles and grams. Also calculate mass of reactants left behind. Define ionization energy, name the factors influencing the ionization energies of elements. What is a trend of 4 8. (a) ionization energy in the periodic table. What is meant by Lead Accumulator explain it in detail, Give chemical equations of discharging and recharging. 4 (b) 1x4=4 Differentiate between ideal and Non ideal solutions. 9. (a) Discusss how surface area and nature of reactants affect rate of a chemical reaction. 2+2=4 (b)

