

- QUESTION -

Discuss in detail the soft and hard acid base (SHAB) concept with suitable examples. (10 Marks)

- ANSWER -

Introduction:

Soft and Hard acid base concept (SHAB) is based on the polarization ease and difficulty of the acid and base. SHAB concept was given by R.G Pearson in 1963. SHAB concept defined acids as soft and hard on the basis of size, electronegative and negative charge. Bases are also categorized as soft and hard on the basis of size, electronegativity and negative charge/oxidation state. SHAB has application as SHAB principle.