



Kclo4 strong or weak electrolyte

Question : What is KClO4 weak acid, weak base, acid salt, basic salt or neutral salt The questions asked on the site are exclusively generated by the user, Doubtnut has no ownership or control over the nature and content of these issues. Doubtnut is not responsible for any discrepancies regarding the duplicity of the content in relation to these matters. Similar questions asked by users in order to continue enjoying our website, please confirm your identity as a human. Thank you so much for your cooperation. ENCE 433 Dr. Alba Tornets ANALTSIS OF ECOLOGICAL ENGINEERING Auturn 1996 Homemade set # 3 SOLUTION 1. Hydrochloric acid is a strong acid completely ionized in a diluted aquatic solution. Self-ionization of water overy mild extent in clean water, and in the presence of H30+ from HCl self-ionization of water is suppressed. This means that the reaction: 12H2O H30 + OH-directed left, because the reaction between HCl and H2O produces and excess H30 + . So [H30+] = contribution from water self-ionization = 0.400 + & th; & th; & th; 0.000001 0.400 Using Kw we can calculate [OH-]: 2. (a) Ammonium carbonate is the base salt. Its cation, NH4+, is weak acid with Ka = 5.7x10-10. Its anion is a weak base Since KB(CO3-2) & gt; Ka (NH4+), ammonium carbonate solutions are basic. (b) Potassium perchlorate, KCIO4, is neutral salt. Neither K+ nor CIO4- has a tendency to donate or accept protons in diluting aqueous solutions. The reaction between the strong KOH base and the strong acid HClO4 is produced by KCIO4. (c) Potassium hydrogen sulfate (also called potassium bisulphate) is acid salt. Anion, HSO4-, is a moderately strong acid with Ka = 1.2 x 10-2. K+ isn't even acid, IG Bariz (MAH4), is the adas (S) (HA2) + 2 OH- (aq) (e) Anion HSO3- is an amfolite. From KA & gt; & gt; & gt; (E) (H) = [K] + [K] = [K] - [K] - [K] + [K] + [K] + [K] - [K] - [K] + [K] + [K]

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