

Hydrolysis of Salts

1.) Write the hydrolysis of a salt reaction in water and discern if the solution is acidic, basic, or neutral.

a.) LiBr

b.) K_2CO_3

c.) $Na_2HC_6H_5O_7$

d.) NH_4F

2.) Why are the following two solutions both only **slightly** basic: $0.1\ M\ NaNO_2$ and saturated $Fe(OH)_3$?

3.) Arrange the following from highest pH to lowest pH: NH_4Cl , HCl , $NaCH_3COO$, NH_4CH_3COO , $NaOH$.