

Fake Quiz: The pH of Salts
Show all set ups with units. Sig figs matter.

1. Calculate the theoretical pH of a .070 M solution of KF.

a. What reaction is happening in the beaker?

b. What K_a will you look up? _____

c. What is the K_b you'll use with the ICE table?

d. Calculate the theoretical pH:

e. How many grams of KF are needed to make 350.0 mL of a .070 M solution?

2. Calculate the theoretical pH of a 0.60 M NH_4Br solution.

a. What reaction is happening in the beaker?

b. What K_b will you look up? _____

c. What is the K_a you'll use with the ICE table?

d. Calculate the theoretical pH:

e. How many grams of NH_4Br are needed to make 15.0 mL of a .125 M solution?