

Question	Species that are present in the solution.				Equation(s)
	Strong acid	Stong base	Weak Acid	Weak base	
What is the pH of a 0.1M solution of HCL?					
What is the pH of a 0.02M solution of KOH?					
What is the pH of a 0.5M solution of acetic acid?					
What is the pH of a solution made by adding 100g of sodium acetate to 500mL of water?					
What is the pH of a solution that contains 0.1moles of sodium hydrogen phosphate and 0.1moles of sodium dihydrogen phosphate?					
How many grams of sodium hydrogen phosphate and sodium dihydrogen phosphate are needed to make 200 mL of a 0.15M pH 6.8 buffer?					
What is the pH when 10 mL of 0.1 M HCl is added to 100 mL of a 0.1M phosphate buffer that had a starting pH of 7.2?					

K_a (acetic acid) = 1.8×10^{-5}

K_a (Na_2HPO_4) = 3.98×10^{-13}

K_a (NaH_2PO_4) = 1.38×10^{-7}