1) The highest pH for an effective buffer occurs when the base is how many times as concentrated as the acid?					1)
A) 8	B) 10	C) 5	D) 25	E) 40	
2) Which of the following is TRUE?					2)
A) At the eq	uivalence point, the p	oH is always 7.			
B) An indica	ator is not pH sensitiv	ve.			
C) A titratio	n curve is a plot of pH	H vs. the [base]/[acid	] ratio.		
, <b>1</b>	valence point is where e titration.	e the amount of acid	equals the amount of	base during any	
E) None of t	he above are true.				

Quiz: 16.3-16.4

Name\_\_\_\_\_

## SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

4) Sketch the titration curve for a strong acid titrated with a strong base. Make sure to indicate the equivalence point (and whether it is acidic, basic or neutral) and the buffer region.

4) \_\_\_\_\_

5) Sketch the titration curve for a monoprotic weak acid titrated with a strong base. Make sure to indicate the equivalence point (and whether it is acidic, basic or neutral) and the buffer region.

5) \_\_\_\_\_

Answer Key Testname: QUIZ 16.3-16.4

1) B 2) D

3) B

4) See figure in middle of page 732.5) See figure in middle of page 621.