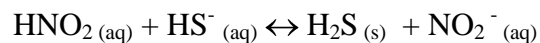


Unit #10 Practice Blackboard Insert

1. (2 pts.) Identify the acid, base, conjugate acid and conjugate base in the following reaction.



2. (2 pts.) Based on the given pH values, indicate whether the substances that are listed below are acidic, basic, or neutral.

Substance	pH	Acidic/basic/neutral
Sea water	8.5	
milk	6.4	
Green tea	7.90	
listerine	5.45	

3. (2 pts.) Circle the phrase in parentheses which will make the statement correct.

A solution with a pH of 5.75 is (more acidic / less acidic) than a solution with a pH of 3.25.

A solution with a pH of 11.50 is (more basic / less basic) than a solution with a pH of 9.75.

4. (4 pts.) 25.00 mL of 0.280 M Aluminum Hydroxide are required to neutralize 18.50 mL of a Hydrochloric Acid solution. What is the molarity of the Hydrochloric Acid solution?

Extra Credit (1 pt):

Convert name to formula or visa versa ... from the list of names in unit 5