PH: ACIDS AND BASES

Answer the following questions:

1. True or False: Acids and bases are common in everyday places such as the kitchen

2. Give 2 examples of acids found in foods you eat.

3. True or False: Acids and bases react with each other when they are put together.

4. What is the environment like inside your stomach?
   a. acidic
   b. basic
   c. neutral

5. The pH scale goes from _______ to ________.

6. Acids have pH numbers _______ than 7.
   a. greater
   b. less

7. Bases have pH numbers _______ than 7.
   a. greater
   b. less

8. A substance with a pH of 7, like distilled water, is called ____________.

9. Acidic solutions have lots of ________________ ions present.

10. A pH __________ is something that can be used to determine the pH of a solution.
    a. chart
    b. indicator
Complete the crossword puzzle below:

ACROSS
1. The percent of hydrogen ions in a liquid
4. A neutral substance has a pH of this number
5. A type of acid created when carbon dioxide in soda reacts with water in your body.
7. A substance which minimizes the change in pH
9. A type of acid found in the human stomach

DOWN
2. Acidic solutions have many _____ ions present
3. A pH _____ determines if something is an acid or base
4. A pH _____ measures how acidic or basic a solution is and ranges from 0 to 14.
6. The higher the protons in a liquid, the _____ the pH
7. Has a pH between 8 and 14
8. Has a pH between 0 and 6