



Name: _____
Date Started: _____ Date Completed: _____ Score: _____

Learning Activity Sheet
Compounds- Acids and Bases

A. Directions: Read and analyze each test item carefully. Circle the letter of the correct answer.

1. Which of the following correctly describes a base?
 - A. produces hydrogen ions (H^+)
 - B. produces hydroxide ions (OH^-)
 - C. with pH lower than 7
 - D. with pH equal to 7
2. Which of the following acids is used to manufacture fertilizers, animal feeds, detergents, and ceramics?
 - A. acetic acid
 - B. formic acid
 - C. hydrochloric acid
 - D. phosphoric acid
3. How does a litmus paper work as an indicator of acidic substances?
 - A. It changes its color from blue to red.
 - B. It changes its color from red to blue.
 - C. It changes its color from purple to green.
 - D. It changes its color from green to purple.
4. Product labels of basic and acidic mixtures contain signal words like "Caution." What does this signal mean?
 - A. The products have serious effects but are manageable.
 - B. The products are corrosive and should be used with extreme care.
 - C. The products are poisonous but can be used with intermediate care.
 - D. The products are less harmful to you but should be handled with care.
5. Which of the following compounds is found in the stomach and aids in the digestion of food?
 - A. acetic acid
 - B. formic acid
 - C. hydrochloric acid
 - D. lactic acid

B. Directions: Classify whether each material contains an acid or a base. Write **A** for acid or **B** for base in the space before each number.

- ____ 1. vinegar
- ____ 2. muriatic
- ____ 3. soap
- ____ 4. lye
- ____ 5. sweat