

Name: \_\_\_\_\_

Blk: \_\_\_\_\_ Date: \_\_\_\_\_

Solution Chemistry 11 Lesson 4  
ACIDS and BASES ASSIGNMENT

Watch the video: "Crash Course Chemistry Acid-Base Reactions in Solution #8". Then read photocopied pages 370-379 in McGraw-Hill Chemistry 11 before completing the following assignment.

1. Use a Venn Diagram to compare and contrast the properties of acids and bases.

2. Explain how litmus paper reacts in the presence of an acid or a base.

3. The earliest definition of an acid was proposed by SVENTE ARRHENIUS.

a. according to him an acid is.....

b. a base is.....

4. Explain the limitations to Arrhenius' definition of an acid and a base:

1. Because of the above limitations, Brønsted and Lowry came up with a new definition of an acid and a base. Explain them here:

2. What is a conjugate acid-base pair? Show an example of one here:

3. Complete the Section Review on page 379 #1 (a)