

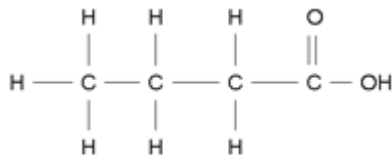
General Chemistry
Mr. MacGillivray
Quiz #37:
Identifying and Naming Acids and Bases

I. Complete the following.

- a. According to the Arrhenius definition of acids and bases, acids form the _____ ion in solution, and bases form the _____ ion in solution.
- b. According to the Brønsted-Lowry definition of acids and bases, an acid _____ protons (H^+) in solution, whereas a base _____ protons in solution.

II. Identify each of the following as either an acid or a base.

- a. _____ HNO_3
- b. _____ NH_3
- c. _____ H_2SO_4
- d. _____ $HC_2H_3O_2$
- e. _____ $NaOH$
- f. _____ $Ca(OH)_2$



- g. _____

III. Name the following acids and bases.

- a. _____ HNO_3
- b. _____ NH_3
- c. _____ H_2SO_4
- d. _____ $HC_2H_3O_2$
- e. _____ $NaOH$
- f. _____ $Ca(OH)_2$
- g. _____ HCl