

**CHEMISTRY 178L Safety Assignment**  
**“Acids and Bases”**

On a separate sheet of paper with your name, lab section # and TA name, answer the following question and turn in at the beginning of the laboratory period for this experiment.

In this experiment you will be working with acids and bases in aqueous solution. Look up the Material Safety Data Sheets (<http://avogadro.chem.iastate.edu/MSDS>) for one of the following acids and one of the following bases and identify the following

- (a) Potential acute health effects,
- (b) First aid measures upon exposure,
- (c) Personal protective equipment needed,
- (d) Chemical stability and hazardous decomposition products (if any).

You must choose among

- (1) Hydrochloric acid,
- (2) Nitric acid,
- (3) Potassium hydroxide,
- (4) Methylamine