

## Acids and Bases Lab – Science 10

Purpose – to determine whether unknown solutions are acids or bases

Safety – Wear goggles and a lab apron at all times during this lab

- Clean any spills immediately and do not get liquids on your skin – rinse immediately and continuously if you do and notify the teacher

Clean-up – all fluids may be washed down the sink with plenty of water running

Materials – 4 test tubes

- Test tube rack
- Paper towel
- 2 medicine droppers
- Blue litmus paper
- Red litmus paper
- Goggles and lab apron
- Grease pencil

Procedure –

1. Put on safety goggles and apron
2. Construct a table to record your observations (example below)

	Observations - Unknown A	Observations - Unknown B
Red Litmus Paper		
Blue Litmus Paper		

3. Place a paper towel on the work area
4. Clear work area of other items
5. Obtain a test tube rack and 2 test tubes
6. Using the droppers in each of the 2 beakers, place a few drops of each fluid in separate test tubes and label the test tubes (A and B)
7. Place a strip of red litmus paper in each tube, and record observations in your table. Repeat with blue litmus paper.
8. Clean up all equipment, rinse test tubes and droppers, and return dry to the side bench
9. Be sure your work area is clean and dry; wipe using wet paper towel and soap
10. Wash your hands with soap and return apron and goggles to the designated location