LAB: SNC 2DI- Properties of Strong and Weak Acids and Bases

	A		B		C		D	
Litmus Paper • add ~1 cm strip • record colour and whether it is an acid/base	Red	Blue	Red	Blue	Red	Blue	Red	Blue
pH Paper • add ~1 cm strip • record colour and corresponding pH								
Phenolphthalein Indicator • add 2 drops to 5 mL of solution in small test tube • record colour and whether it is an acid/base								
Bromthymol Blue • add 2 drops to 5 mL of solution in small test tube • record colour and whether it is an acid/base								
Universal Indicator • add 2 drops to 5 mL of solution in small test tube • record colour and corresponding pH								

QUESTIONS:

1. What does pH actually measure?

2. What is the advantage of using Universal indicator or pH paper over litmus papers and phenolpthalein?

3. The following mystery liquids were tested with various indicators. Classify them as acids, bases or neutral:
   a. Red litmus paper turns blue, phenolphthalein turns pink
   b. Bromthymol blue turns blue, blue litmus paper turns blue
   c. Blue litmus paper turns blue, phenolphthalein stays clear
   d. Phenolphthalein stays clear, bromthymol blue turns yellow
   e. Red litmus paper turns red, phenolphthalein stays clear
   f. Blue litmus paper turns red, phenolphthalein stays clear