

## PRACTICE EXERCISE

1. List three differences between acids and bases.
2. What is the pH range of an acid?
3. If a solution has a pH of 9, what colour will it turn litmus paper?
4. Classify the following compounds as acids or bases:
  - a)  $\text{HNO}_3(\text{aq})$
  - b)  $\text{NaOH}(\text{aq})$
  - c)  $\text{KOH}(\text{aq})$
5. Name the following acids:
  - a)  $\text{HBr}(\text{aq})$
  - b)  $\text{HNO}_3(\text{aq})$
  - c)  $\text{HI}(\text{aq})$
6. What is an indicator? Name two that are commonly used.
7. If hydrobromic acid reacts with sodium hydroxide, what salt is produced in the neutralization?
8. If a solution goes from pH 5 to pH 3, how much more acidic has it become?