

# Year 10 Chemistry Revision

Complete the following:

Write the chemical names/words for -

1.  $\text{H}_2\text{SO}_4$
2.  $\text{HCl}$
3.  $\text{HNO}_3$
4.  $\text{NaOH}$
5.  $\text{CO}_2$
6.  $\text{Al}_2(\text{SO}_4)_3$
7.  $\text{Mg}(\text{NO}_3)_2$
8.  $\text{NaHCO}_3$
9.  $\text{Ca}(\text{OH})_2$
10.  $(\text{NH}_4)_2\text{SO}_4$



Write the formulae for -

1. Zinc Oxide
2. Silver Nitrate
3. Magnesium Chloride
4. Zinc bicarbonate
5. Sodium Oxide
6. Iron III Sulphate
7. Calcium bicarbonate
8. Ammonium Hydroxide
9. Potassium Nitrate
10. Sodium Chloride

Hint: Remember "swap and drop", use the Table of Ions provided!

Complete these acid rules -

Acid + Metal  $\rightarrow$

Acid + Carbonate  $\rightarrow$

Acid + Base  $\rightarrow$

Hydrochloric acid makes ...

Sulfuric acid makes...

Nitric acid makes...

Clues to use -

It is a carbonate if...

It is a base if ...

It is an acid if ...

Complete these word equations -

1. Hydrochloric acid + Magnesium →
2. Hydrochloric acid + calcium carbonate →
3. Hydrochloric acid + sodium oxide →
4. Sulfuric acid + Potassium Hydroxide →
5. Sulfuric acid + lithium bicarbonate →
6. Nitric acid + Zinc oxide →
7. Hydrochloric acid + potassium carbonate →
8. Sulfuric acid + magnesium bicarbonate →
9. Sulfuric acid + Calcium hydroxide →
10. Nitric acid + sodium →

Now, write the above equations (#1-10) as formulae

Hint: use the Table of Ions and remember "swap and drop"

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

