

Combined Science - Chemistry - Key Stage 4

Quantitative Chemistry

Relative Formula Mass - Foundation

Mrs. Begum



Questions

Calculate the relative formula mass of the following compounds:

1. Al_2O_3
2. $\text{Al}(\text{OH})_3$
3. $\text{Mg}(\text{NO}_3)_2$
4. CuSO_4
5. K_2SO_4
6. $\text{Al}_2(\text{SO}_4)_3$

Relative atomic masses:

- Al - 27
- H - 1
- K - 39
- Mg - 24
- N - 14
- O - 16
- S - 32
- Cu - 63.5



Questions

Calculate the percentage composition for the named element in these compounds:

1. Aluminium in Al_2O_3
2. Oxygen in K_2SO_4
3. Al(OH)₃
4. Mg(NO₃)₂

Relative atomic masses:

- Al - 27
- H - 1
- K - 39
- Mg - 24
- N - 14
- O - 16
- S - 32
- Cu - 63.5

