

Polyatomic Ions – Matching Activities

Activity 1: Match Polyatomic Ions to Their Formula

Instructions: Match each polyatomic ion in **Column A** with its correct formula in **Column B**. Write the letter of the correct formula in the space provided.

	Column A – Polyatomic ions	Column B – Formulae
1	Sulphate ion	NO ₃
2	Nitrate ion	PO ₄
3	Ammonium ion	OH
4	Carbonate ion	CO ₃
5	Hydroxide ion	NH ₄
6	Phosphate ion	SO ₄

Activity 2: Match Polyatomic Ions to Their Charge / Valence Number

Instructions: Match each polyatomic ion in Column A with the correct charge (valence number) in Column B. Write the letter of the correct charge in the space provided. Some letters will be used more than once.

	Column A – Polyatomic ions	Column B – valence number
1	Sulphate ion	3-
2	Nitrate ion	2-
3	Ammonium ion	1-

4	Carbonate ion	1-
5	Hydroxide ion	3-
6	Phosphate ion	2-