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-**