

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	Answer Write the letter from column B
1	Sulphate ion	A - NO ₃	
2	Nitrate ion	B - PO ₄	
3	Ammonium ion	C - OH	
4	Carbonate ion	D - CO ₃	
5	Hydroxide ion	E - NH ₄	
6	Phosphate ion	F - 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	Answer Write the letter from column B
1	Sulphate ion	3- (A)	
2	Nitrate ion	2- (B)	
3	Ammonium ion	1- (C)	

4	Carbonate ion	1- (D)	
5	Hydroxide ion	2- E	
6	Phosphate ion	3- (F)	