

Data Table 1 — Anion Testing Sample Data

	Cl ⁻ anion	I ⁻ anion	SO ₄ ²⁻ anion	CO ₃ ²⁻ anion	Unknown _____	Unknown _____
6.	a. AgNO ₃ b. HNO ₃ c. NH ₄ OH					
7.	a. Ba(NO ₃) ₂ b. HNO ₃					
A	1	a. white ppt b. NR-still ppt c. dissolves	a. yellow ppt b. NR-still ppt c. NR-still ppt	a. NR b. — c. —	a. tan ppt b. fizzes and dissolves	
B	2					
C	3	a. NR b. —	a. NR b. —	a. white ppt b. NR-still ppt		
D	4			a. slight white ppt b. dissolves		
	5					
	6					

Space for a repeat test (if necessary)

Record detailed observations inside the circles on the table. Record all colors that form. Record whether any gases evolve. If any solid precipitates form, use the abbreviation PPT. If no reaction at all occurs, use the abbreviation NR.

Data Table 2 — Cation Testing

Sample Data

	Li^+ cation	Na^+ cation	K^+ cation	Ag^+ cation	Ba^{2+} cation	Fe^{3+} cation
16. Color of Solution	A 1 Colorless	B 2 Colorless	C 3 Colorless	D 4 Colorless	E 5 Colorless	F 6 Yellow
17. KSCN	A 1 NR	B 2 NR	C 3 NR	D 4 White ppt	E 5 NR	F 6 Deep-red solution
20. Flame test color	A 1 Crimson red	B 2 Yellow	C 3 Violet	D 4 —	E 5 Light green	F 6 —
Unknown testing	D 1 Unknown Color of solution	D 2 Unknown KSCN	D 3 Unknown Flame test color	D 4 Unknown Color of solution	D 5 Unknown KSCN	D 6 Unknown Flame test color

Record detailed observations inside the circles on the table. Record all colors that form. Record whether any gases evolve. If any solid precipitates form, use the abbreviation PPT. If no reaction at all occurs, use the abbreviation NR.