

Topic 6 Exercise 5 – Qualitative Analysis

1. Tests for anions

Anion	Reagent	Observation	Ionic equation
Cl ⁻			
Br ⁻			
I ⁻			
CO ₃ ²⁻			
SO ₄ ²⁻			
OH ⁻			

2. Tests for cations

Cation	Reagent	Observation	Ionic equation
Mg ²⁺			
Ca ²⁺			
Sr ²⁺			
Ba ²⁺			
NH ₄ ⁺			
H ⁺			