

Experiment 5- Report Sheet

Name Jordyn Villaseñor Date 2/13/24

Partner's Name _____ Lab: M T W R at _____

Unknown Solution ID 15

Record your observations for each of the steps in the table below.

Test tube #1: Separation and testing for Ba²⁺

	Known Solution	Unknown Solution
After adding ammonium sulfate	White precipitate forms	White precipitate forms
Flame test Color	yellow-green	yellow-green

Test tube #2: Separation and testing for Ca²⁺

	Known Solution	Unknown Solution
After adding ammonium oxalate	precipitate forms	NO precipitate formed
Flame test Color	Red / orange	_____

Test tube #3: Separation and testing for Mg²⁺

	Known Solution	Unknown Solution
After adding ammonium hydrogen phosphate	White precipitate forms	White precipitate forms
Blue lake test results	Blue gel precipitate forms	Blue gel precipitate forms

Unknown Solution ID 15

The cation(s) present in my solution: Ba²⁺, Mg²⁺

The cation(s) absent in my solution: Ca²⁺