Purpose and Procedure 2

1. The purpose of this lab was , density of water in diff. we use exp. -

Lab report pg 17 to do question 3

PART A Scale reading of Helium
Scale reading of Hydrogen

PART B You will see the flame of different metals & determine the unknown sample

PART A:

Helium Spectrum:

1. 439nm - Blue violet
2. 461nm - Blue Green
3. 485nm - Darker green
4. 495nm - light green
5. 582nm - Yellow
6. 667nm - red
7. 705nm - faint pink

Hydrogen Emission Lines

wavelength

1. 659 nm - red
2. 480nm - light blue
3. 428nm - violet
4. 410 nm too weak to see

Part B

Solution	Color	Duration	
Barium (Ba)	Yellow	1.53	Weak
Copper Chloride (Cu)	Green	2.96	Strong
Potassium chloride (K)	Pink/red	3.67	Weak
Lithium Chloride (Li)	Pink	13.62	Strong
sodium chloride (Na)	orange	51.09	Strong
Strontium chloride (Sr)	dark orange/red	13.87	Weak
unknown 2	light pink	5.57	Weak

5.31