**Lab 12 – Flame Test Results**

Use the following pictures to complete the flame test lab.

You can watch a demo of the flame test on YouTube at the following link:

<https://www.youtube.com/watch?time_continue=119&v=NEUbBAGw14k&feature=emb_logo>

I’m also including photos for each flame test.

**Observations:**

**Group 1Alkali Metals:**

|  |  |
| --- | --- |
| LiCl |  |
| NaCl |  |
| KCl |  |

Group 2 Alkaline Earth Metals

|  |  |
| --- | --- |
| CaCl2 |  |
| SrCl2 |  |
| BaCl2 | \*Looks greener in real life |

Group 17 Halides

|  |  |
| --- | --- |
| NaCl |  |
| NaBr |  |
| NaI |  |

Transition Metals

|  |  |
| --- | --- |
| CuCl2 |  |
| MnCl2 | This one sparks |

Unknowns (Choose 2)

|  |  |
| --- | --- |
| Unknown 1 |  |
| Unknown 2 |  |
| Unknown 3 |  |
| Unknown 4 |  |