

Name: _____ Period: _____ Date: _____

DATA TABLE:

Sam ple num ber	Flame Color	Scribe Name	Eleme nt (from resear ch)	Elemen t (from Mr. Khan)	Teacher Stamp
1					
2					
3					
4					
5					
6					
7					
8					

ANALYSIS QUESTIONS:

1. Which elements were the easiest to identify? Why?
2. Which elements were the hardest to identify? Why?
3. What inaccuracies may be involved in using flame tests for identification purposes?
4. Do you think that flame tests are valuable for detecting metal ions present in a mixture of metal ions? Explain.
5. Describe a real-life application of this lab.