## Flame Tests Worksheet

As you work through the steps in the lab procedures, record your experimental values and the results on this worksheet.

Table A: Flame tests results of known and unknown salt solutions

Compound	Color of Flame	Ion Responsible for Flame Color
barium chloride, BaCl <sub>2</sub>		
barium nitrate, Ba(NO <sub>3</sub> ) <sub>2</sub>		
calcium nitrate, CaCl <sub>2</sub>		
copper(II) chloride, CuCl <sub>2</sub>		
copper(II) nitrate, Cu(NO <sub>3</sub> ) <sub>2</sub>		
lithium chloride, LiCl		
lithium nitrate, LiNO <sub>3</sub>		
potassium chloride, KCl		
potassium nitrate, KNO <sub>3</sub>		
sodium chloride, NaCl		
sodium nitrate, NaNO <sub>3</sub>		
strontium chloride, SrCl <sub>2</sub>		
strontium nitrate, $Sr(NO_3)_2$		
unknown#		
unknown#		

