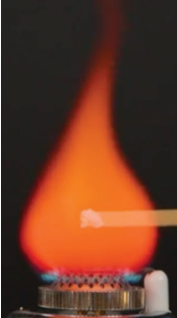
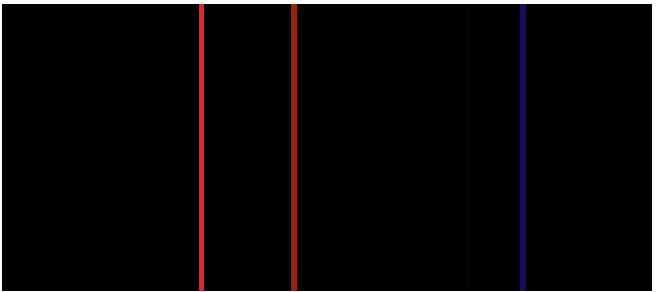


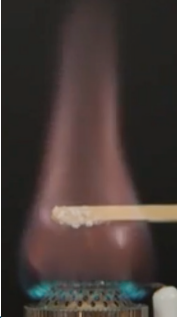

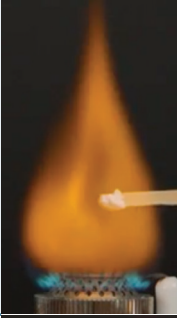
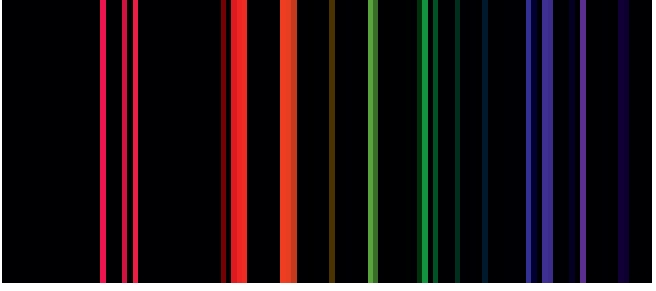



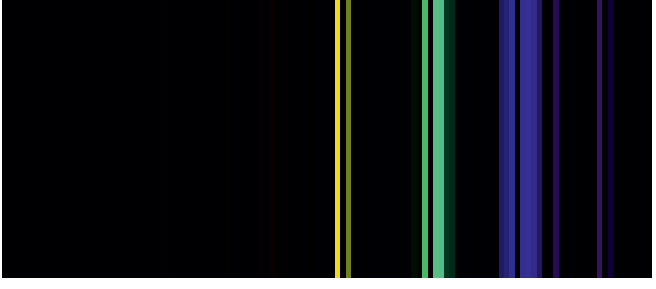


Flame Test Colors and Bright-Line Emission Spectra for Metal Chlorides

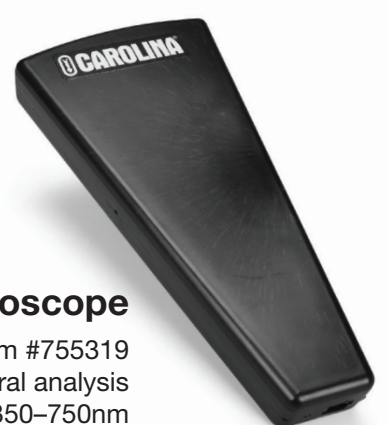
Metal Chloride	Cation	Neutral Atom Valence Level Configuration	Flame Test Color	Bright-Line Emission Spectrum
Lithium chloride Orange-red	Li^{1+}	$2s^1$		
Sodium chloride Yellow	Na^{1+}	$3s^1$		
Potassium chloride Violet	K^{1+}	$4s^1$		
Calcium chloride Yellow-orange	Ca^{2+}	$4s^2$		
Strontium chloride Red	Sr^{2+}	$5s^2$		
Copper(II) chloride Green	Cu^{2+}	$4s^23d^9$		



Spectroscope

Item #755330
Visible line and absorption spectra
Indicates approximate wavelength

Conduct your flame tests and spectroscopy experiments with Carolina spectroscopes.



Economy Spectroscope

Item #755319
Handheld for spectral analysis
Range: 350–750nm