

**Atomic Spectra: Flame Test**

**Chemical available:** LiCl (crimson), CuCl2 (green), KCl (lilac), CaCl2 (red), NaCl (yellow).

Small scintillation vials and dropper bottles of each available in kit.

**Materials for demonstration provided in kit:**

Copper loops for flaming (please save and place in other bag for cleaning, do not discard)

Goggles (for safety)

**Materials used for multiple demos to add in**:

portable bunsen burner

**Materials you must grab immediately before:** none

**Procedure for in class demo**:

Copper loop into a solution and place in flame.

Repeat as desired with each chemical.

**Waste:** Save everything. Place used copper loops in bag labelled “used” for cleaning.