

Ch 5 Electrons**Fireworks Webquest**

Essential Question: Fireworks... Ooh, ah, why?

Introduction: Chemistry Flame Test

Watch the video of a flame test done in a chemistry classroom.

<https://www.youtube.com/watch?v=NEUbBAGw14k>

Fill out the data sheet below of the observations you make on the color of each chemical that is burned.

Element	Observations
Lithium (Li)	
Sodium (Na)	
Potassium (K)	
Calcium (Ca)	
Strontium (Sr)	
Barium (Ba)	
Copper (Cu)	

After completing the introduction section. Use the links below to answer the questions about fireworks.

[History of Fireworks](#)

[Live Science: History of Fireworks](#)

[14 Facts about Fireworks](#)

[The Chemistry behind Fireworks](#)

[The Chemistry of Firework Colors](#)

Questions about the Chemistry of Fireworks

1. What exactly is a firework?
2. Where and when were the first fireworks invented?
3. Who were the first Europeans to master fireworks?
4. What type of simple chemical reaction occurs in fireworks?

