SCIENCE BEHIND - Fireworks



WHAT ARE **FIREWORKS?**

Fireworks are beautiful pyrotechnic displays that are used to celebrate the 4th of July and other events throughout the year. Different elements produce unique colors and the energy released can be seen and heard for miles. An exciting way to study the beautiful colors of different compounds is with flame tests in the classroom lab!



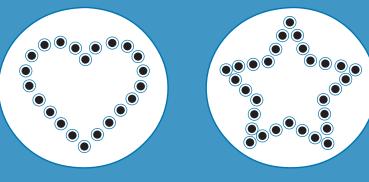
Compound(s) Color Strontium and Lithium Red Compounds Orange **Calcium Compounds** Yellow Sodium Compounds Green **Barium Compounds** Copper Compounds Blue Mixture of Strontium and Purple Copper Compounds White/Silver Magnesium and Aluminum

3 INTERESTING FACTS

ABOUT FIREWORKS

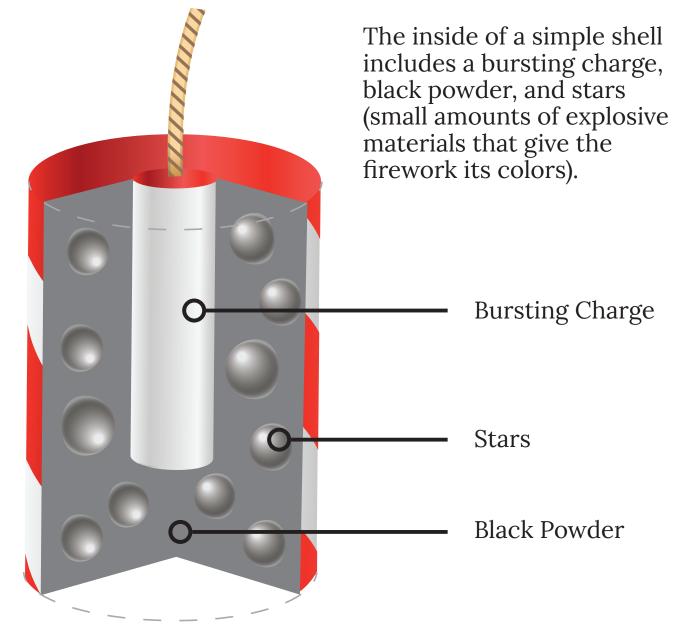
It is said that the first fireworks originated around 200 B.C. in China and were made by placing bamboo stalks onto a fire. Eventually, the hollow stalks would explode.

To make different firework shapes, pellets are arranged in a pattern in the firework.



When fireworks burn, they can reach temperatures of up to 1800 °F (1000 °C).

WHAT IS INSIDE A FIREWORK?





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