

# Minerals Needed for Fireworks

Each color in a fireworks display is produced by a specific mineral compound:

- Red = strontium
- Blue = copper
- Yellow = sodium



Which mineral combination creates your favorite color of fireworks?

## Mix compounds to create more colors:

- White = titanium, zirconium and magnesium
- Orange = strontium and sodium
- Purple = copper and strontium

## Special effects:

- Gold Sparks = iron filings and small particles of charcoal
- Loud bang = aluminum powder
- Multiple popping sound = aluminum flakes

Minerals must be mined in order to make the products in your life. Look around - can you name a product that isn't grown or mined?

Adapted from Women in Mining Education Foundation  
Original source: U.S. Bureau of Mines, Office of Public Information 1990



To learn more about minerals and mining visit  
[www.MineralsEducationCoalition.org](http://www.MineralsEducationCoalition.org)

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