

# flame test colors elements.pdf

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## Flame test colors for each element

Because each element has an exactly defined line emission spectrum, scientists are able to identify them by the color of flame they produce. For example, copper produces a **blue** flame, lithium and strontium a red flame, calcium an orange flame, sodium a **yellow** flame, and barium a **green** flame.

### Flame tests | Causes of Color

[www.webexhibits.org/causesofcolor/3BA.html](http://www.webexhibits.org/causesofcolor/3BA.html)

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### Flame test - Wikipedia

[https://en.wikipedia.org/wiki/Flame\\_test](https://en.wikipedia.org/wiki/Flame_test)

The **flame test** carried out on a copper halide. The characteristic bluish-green **color** of the **flame** is due to the copper.

### Flame Test - Colorful Elements - The Lab

[www.stevespanglerscience.com](http://www.stevespanglerscience.com) > Home > Experiments

Burning metals reveal themselves from unexpected, awesome **colors** in a simple **flame test**. Pour a little powder to **test** into each small dish. Dip one end of a popsicle ...

### Flame Tests - Web Mineral

[webmineral.com/help/FlameTest.shtml](http://webmineral.com/help/FlameTest.shtml)

Listing of **Flame** coloration which can be used to identify **elements** in minerals.

### Flame Tests - Chemistry LibreTexts

[https://chem.libretexts.org/Core/Inorganic\\_Chemistry/Descriptive...](https://chem.libretexts.org/Core/Inorganic_Chemistry/Descriptive...)

This page describes how to perform a **flame test** for a range of metal ions, and briefly discusses how the **flame color** arises. **Flame tests** are used to identify the ...



## Flame test

A flame test is an analytic procedure used in chemistry to detect the presence of certain elements, primarily metal ions, based on each element's characteristic emission spectrum. The color of flames in general also depends on temperature; see flame color.

 Wikipedia

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Flame Iodine test Oxidizing and reducing flames

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## Flame tests | Causes of Color

[www.webexhibits.org/causesofcolor/3BA.html](http://www.webexhibits.org/causesofcolor/3BA.html)

Flame tests . Flame tests are useful because gas excitations produce a signature line emission spectrum for an **element**. In comparison, incandescence produces a ...

## How to Do a Flame Test for Qualitative Analysis - ThoughtCo

<https://www.thoughtco.com/perform-and-interpret-flame-tests-603740>

Here's how to perform a **flame test** and how to interpret the **colors** you see. You can use a **flame test** to identify a metal or ionic salt.

## [PDF] Flame Tests and Atomic Spectra - Santa Monica College

[https://www.smc.edu/.../Flame\\_Tests\\_and\\_Atomic\\_Spectra.pdf](https://www.smc.edu/.../Flame_Tests_and_Atomic_Spectra.pdf)

Flame Tests and Atomic Spectra Objectives The objectives of this lab are to: a) Perform **flame tests** of metal cations in order to observe their characteristic **colors**,

## Flame Colors - Purdue University

[chemed.chem.purdue.edu/demos/main\\_pages/6.2.html](http://chemed.chem.purdue.edu/demos/main_pages/6.2.html)

6.2 Flame Colors. Chemical Concepts ... one can perform a **flame test** on an unknown substance, ... and determine which **elements** are in the unknown substance. ...

## Flame Test Colors - Photo Gallery - ThoughtCo

<https://www.thoughtco.com/flame-test-colors-photo-gallery-4053133>

If you're performing the **flame test**, it helps to know what the **colors** look like. Here's a photo gallery of **flame test colors** to compare your results.

## FLAME TESTS - chemguide

[chemguide.co.uk/inorganic/group1/flametests.html](http://chemguide.co.uk/inorganic/group1/flametests.html)

This page describes **how to do** a **flame test** for a range of metal ions, and briefly describes how the **flame** colour arises. **Flame tests** are used to identify the presence ...

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