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## **Flame Test Lab Report Answers**

**Purpose** The purpose of this lab was to reinforce the examination of wavelengths in photons discharged from atoms as they move from high energy to low energy, atomic emission.

**Hypothesis** If the element (independent

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variable) is placed in the fire (controlled variable), then the

## **Flame Test Lab Report by Jodeci Mitchell - Prezi**

banawis hjc, baluyot kje, bullo pvgd.  
group of mt che 009 flame test  
objective: solution. (safety: in getting  
the hcl solution, to observe and analyze

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the

## **Lab report - Experiment #1: Flame Test - CHM4 - OLFU - StuDocu**

Dip the soaked end of one of the wooden splints in one of the metallic salts, then place it in it the flame. Observe the color of the flame. Allow the splint to burn until the color fades. Try not to allow any

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of the solid to fall into the barrel of the laboratory burner.

### **Flame Test Lab report by Jocelyn Ochoa - Prezi**

A flame test is used to identify certain metals in a compound or single element.1 When an electron jumps up to a higher energy state the element is in



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its excited state. Elements are only in their excited for a brief moment.

## **Flame Tests Lab Report Free Essay Example - StudyMoose**

In this flame test experiment, seven different known solutions and three different unknown solutions were tested in a burner. After several tests for each

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solution it was determined that the accepted values for each solution, in order, were: Ba(NO<sub>3</sub>)<sub>2</sub>

## **Flame Tests ABSTRACT**

Flame Tests lab. STUDY. Flashcards. Learn. Write. Spell. Test. PLAY. Match. Gravity. Created by. Leanna\_999. Terms in this set (22) Purpose. Test the

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different metal salt solutions in a hot flame and observe the characteristic color given off by each excited atom and to identify the metal ion present in one unknown metal salt solution.

### **Flame Tests lab Flashcards | Quizlet**

Introduction to the Flame Test Lab: The Flame Test lab was an in-class lab where

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we tested chemicals in the flames to see the wide range of colors in the color spectrum. The secondary purpose of the lab was to identify unknown compounds that we would test and then guess as to what they were. The Flame Test lab was done in several parts.

## **Flame Test Lab - Aidan Sterk's**

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## **Digital Portfolio**

Flame Test - Colorful Elements Burning metals reveal themselves from unexpected, awesome colors in a simple flame test. Blue, orange, and yellow flames are pretty common. What about green or purple flames?

## **Flame Test - Colorful Elements |**

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## **Experiments - The Lab**

What is the process that produces the colors seen in the flame tests? The atom starts in the ground state, we add energy to the atom with the bunsen burner. The atom absorbs the energy and electrons jump to higher discrete energy levels. Electrons quickly return to ground state, emitting a discrete amount

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of energy as a photon of light

## **Flame Test Lab Flashcards | Quizlet**

Part One: Flame Tests (As an option, this could be a demo rather than a student activity) When solutions of metals are heated in a Bunsen burner flame, they give off characteristic colours. For example, sodium makes the flame turn

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bright yellow - this is the same yellow colour made by sodium street lamps and many fireworks.

## **FLAME TEST AND ATOMIC SPECTRA LAB**

The purpose of the flame test lab is to observe the characteristic colors produced by certain metallic ions when



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vaporized in a flame. Identify unknown metallic ions by means of its flame test. Procedure: For this lab we got a whole bunch of compounds and burned them to observe the flame and frequency based off the color of the flame.

**Flame Test Lab - Robert Amador**  
(Answer: Flame tests show the color of

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the metal, or the positive ion [cation] in the chemical solution. Expect students to be able to come to this realization because the three chemicals had different metal atoms, but they all had the same non-metal anion, chloride.)

### **Flame Test: Red, Green, Blue, Violet? - Activity ...**

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Pre-laboratory Assignment: Flame Tests of Metal Cations. In this lab, you will perform flame tests of several different metal cations. The characteristic colors observed are due to emitted electromagnetic radiation from the excited metal cations.

## **8: Flame Tests of Metal Cations**

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## **(Experiment) - Chemistry ...**

Christina Nance Module 2 Lab Report -  
CHEM 1806 - 40 pts total Atomic  
Emission Atomic Emission and Flame  
Test Data Activity 1 Data Table 1 (10  
pts) Name Light Source 1: Fluorescent  
Bulb Light Source 2: Iphone xr Light  
Source 3: Refrigerator Light Bulb Line or  
Continuous?

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## **Module 2 Lab Report Document - Carolina 2019.docx ...**

Hi. I am writing a lab report on flame test and one of the questions ask "In the flame tests, chloride salts of the various elements were used; how do we know that the colors came from the metal cation rather than the chloride anion?" I

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have no idea how to answer that other than that chloride readily takes up an electron since it is in the 7th group.

### **flame test lab report? | Yahoo Answers**

To do a flame test with each metal salt dip your inoculation loop into your metal salt and get a film of the solution of a

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salt inside the loop (swirl the loop around in the solution) and bring it into the hottest part of the flame. If this produces poor color then try the edge of the burner flame.

### **Flame Test Lab - The colony HIGH SCHOOL**

The flame test is a qualitative test in

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analytical chemistry used to help identify the composition of a sample. The premise is that heat gives energy to elements and ions, causing them to emit light at a characteristic color or emission spectrum.

## **How to Do a Flame Test for Qualitative Analysis**



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I'm supposed to write a conclusion for a Flame Test lab. If you aren't familiar with this lab its when you take a metal and place it in the flame and the flame will change colour. My teacher gave...

**Help with flame test lab conclusion?  
| Yahoo Answers**

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CHM 151 at Sandhills Community  
College. Atomic Emission and Flame Test  
Student Name: Hailey Jones Date:  
9/23/18 1 Data Activity 1 Data Table 1  
Name Line or

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