Flame Test Post Lab Grade Sheet **Name: Period:**

**General**

* Filled out Headers
* Footer signed and dated
* Labeled Sections
* Adequate Spacing
* Professionalism/Care/Thought
* Extra sections included that were not asked for
* Other:

**Observations/Data Tables**

* Missing either qualitative or   
  quantitative data
* No title on data tables
* Titles not descriptive
* Too small/squished/messy
* Observations lacking detail or content

**Discussion Questions**

|  |  |  |
| --- | --- | --- |
| **General** | 5 |  |
| **Obs/Data Tables** | 15 |  |
| **Discussion Qs** | 20 |  |
| ***Total*** | 40 |  |

* Questions copied from handout
* Questions not copied, but not paraphrased into your answer

|  |  |  |
| --- | --- | --- |
| * Incorrect   + 1   + 2   + 3   + 4   + 5   + 6   + 7   + 8   + 9   + 10   + 11   + 12 | * Insufficient   + 1   + 2   + 3   + 4   + 5   + 6   + 7   + 8   + 9   + 10   + 11   + 12 | **1)** Electrons  **2)** They went up to a higher energy level  **3)** We gave them energy from the Bunsen burner  **4)** They have different gaps in energy levels  **5)** High energy = high frequency = short wavelengths  **6)** High: purple, blue, green, yellow, orange, red :Low  **7)** High: purple, blue, green, yellow, orange, red :Low  **8)** High: red, orange, yellow, green, blue, purple :Low  **9)** Copper – color matched Cu(NO3)2 and Cu(SO4) we used  **10)** We were not looking at them through a prism – the prism splits each individual wavelength up into lines. We just looked at the entire thing.  **11)** If we used a prism to separate we might be able to. If we are just looking at the flame we wouldn’t be able to distinguish.  **12)** Neon signs, lights, fireworks, the stars |

* Missing Questions:

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