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| **COMMENTS** | | | **SCORE** |
| **General**   * Header info not filled out on every page * Not neat/professional - other people cannot easily access the information | | | **5 points** |
| **Materials**   * Missing some * Not included | | | **5 points** |
| **Reagent Table**   * Missing some info * Not included | | | **5 points** |
| **Procedures**   * Copied from lab sheet * Missing key steps | | | **5 points** |
| **Observations/Data Table**   * Missing either qualitative or quantitative data * No title on data tables * Titles not descriptive * Too small/squished/messy * Observations lacking detail or content | | | **15 points** |
| **Discussion Questions**   * Questions copied from handout * Questions not copied, but not paraphrased into your answer * Missing Questions: | | | **35 points** |
| * Incorrect answers for Qs:   + 1   + 2   + 3   + 4   + 5   + 6   + 7   + 8   + 9   + 10   + 11   + 12 | * Insufficient answers for Qs:   + 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 – the color matched the Cu(NO3)2 and Cu(SO4) that 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 |
|  | | | **70 points TOTAL** |