Writing An Analysis & Conclusion

When you are asked to only write an analysis and conclusion you want to make sure you are completely expressing the concepts of the lab.

IN PARAGRAPH ONE

State the purpose of this experiment. Then summarize the procedure of the lab. This should take a few sentences describing how you performed the experiment. DO NOT INCLUDE ANY DATA OR CONCLUSIONS IN THIS PARAGRAPH.

IN PARAGRAPH TWO

Explain the concept being investigated; in this case it’s the concept of how an ionic compound becomes hydrated and how the water of hydration is removed. You then want to go on to explain how much of the hydrate you started your experiment with and what the mass of the anhydrous compound contained after you heated it. The next thing you want to explain is how much water (in grams) was lost when you heated the compound. You then want to state the percentage of water in your compound that you calculated and compare it to the accepted value of the percentage of water.

IN PARAGRAPH THREE

Explain where you could have made errors? Look at your procedure and data. Think of these errors when your writing this section: Was your fire too high? Did you not time how long you heated the compound? Did the compound burn on the bottom, which will cause error? (you would notice this when you cleaned up) What accounts for the difference from your % hydration to the accepted % hydration? What was your error and percent error?