**Extension: Lab Report - Plant & Animal Cell**

**/30 marks**

**Name:**

**Lab Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Directions:** If you are completing the extension option for the lab by writing a proper lab report you will need to complete the analysis questions below and add them to the correct section of the lab report. Please see the document titled “How to Write a Proper Lab Report” to assist you in doing so.

**Analysis Questions:**

1. Why is staining important for this lab?
2. Which of the cells had the clearest view? Why?
3. Describe the shape of the two types of cells you observed.
4. Were the cells you observed prokaryotic or eukaryotic? How can you tell?
5. Why were there no chloroplast seen in the onion cells? (No, it is not because the microscopes were not powerful enough, think about where the onions are located).
6. Calculate the size of the cells for both the length and width of the onion and cheek cells. Use the Station 3 extension to help you better understand how to do this.

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