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| Biology – Makeup Lab  Cheek and Onion Cell Lab | Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

You missed the Lab.

**What you need to do:**

1. Use the internet to watch the following video:

<http://www.youtube.com/watch?v=i2x3MKSJez4>

1. Summarize in a paragraph how the wet mount for the cheek cell was made.
2. Answer the following questions:
3. Why was 0.9% salt solution used for the cheek cells?
4. What was the name of the dye used on the cheek cells?
5. Why was this dye used on the cheek cells?
6. What is the BEST was to add the cover slip and why?
7. Draw what the cells look like under 100X magnification.
8. What is the blue dot inside each cell?
9. Draw what the cells look like under 400X magnification. Label the nucleus, cell membrane and the cytoplasm.

For the Onion

Go to the following link:

<http://www.youtube.com/watch?v=PrX3h-AflZI>

1. Describe how the presenter made the slide.
2. Answer the following questions:
3. Why did the presenter use iodine in this presentation?
4. Draw what the onion epidermis looks like under magnification of 40
5. Draw what the onion epidermis looks like under magnification of 100
6. The specimen the presenter was viewing did not stain very well. What is one other way you could increase the contrast and be able to better view the specimen?