

Biology 2201 - Lab 2 - Answer Sheet

1. What is the purpose of using a stain to observe cells with a microscope?

2. What is the function of the onion cell layer you observed?

3. What is the function of human cheek (epithelial) cells?

4. Compare onion cells with human cheek cells as follows:

	Onion Cells	Cheek Cells
Relative Size		
Shape		
Arrangement		
Other Differences		

5. The onion cells you observed did not contain chloroplasts (organelles where photosynthesis occurs). Why are chloroplasts not found in these cells?

Drawings:

Onion cells: Label the *cell wall, cell membrane, nucleus, nucleolus (if visible), and cytoplasm*

Several rows of onion cells (medium power) Magnification = X _____	One enlarged onion cell (high power) Magnification = X _____
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Estimated length of onion cells = _____ μm Estimated width of onion cells = _____ μm

Human cheek cells



Estimated diameter of human cheek cells = _____ μm