

## Plant vs. Animal Cells

### Procedure: -Cheek Cell

1. Place a small drop of Iodine onto a clean slide.
2. Using a toothpick, gently scrape the inside of you cheek.
3. Place the toothpick tip into the iodine and mix. The iodine stains the cells so you can see them.
4. Place the slide under low power (4x). Draw what you see in Figure 5.
5. Switch to high power (10x). Draw 2 or 3 cells in Figure 6. Label the nucleus, cell membrane, and cytoplasm.

<b>Figure 5</b>	<b>Figure 6</b>

Analysis:

1. Why did we add iodine to our cheek cells? \_\_\_\_\_
2. What structure in the cheek cell was stained the darkest? \_\_\_\_\_
3. Is your cheek cell an animal cell? \_\_\_\_\_

## Plant vs. Animal Cells

### Procedure: – Celery Cell

1. Place a drop of iodine on a clean slide.
2. Place a small piece of celery membrane into the iodine; place a cover slip on top.
3. Observe under low power. Draw what you see in Figure 7.
4. Now switch to high power, remember to focus on 10x before moving on to high power! Draw what you see in Figure 8. Label the following organelles: cell wall, nucleus, and cytoplasm.

<b>Figure 7</b>	<b>Figure 8</b>

Analysis:

1. How was the celery cell different from the cheek cell?
2. Is an celery cell a plant or animal cell? \_\_\_\_\_

**YOU MUST CLEAN UP!**  
**ALL SLIDES ARE TO BE CLEANED AND PUT AWAY.**