

## Lab Wrap Up:

### Activity 1

1. A- isotonic  
B- hypotonic  
C- hypotonic  
D- isotonic  
E- hypertonic
2. Water, osmosis
3. The control is used for baseline comparison for the experiment groups
4. In an isotonic solution it will do neither because it the same concentration outside the cell than it is inside.

### Activity 2

1. Light on, rheostat to 10, choose slide, make sure it is on scanning lens (4x), center specimen, put stage in top position, adjust oculars then use coarse focus first, adjust iris diaphragm as needed, then use fine focus, make sure image is centered. Once focused you can move up lenses however when you move from scanning lens you should only use fine focus unless you go back to scanning.

### Activity 3:

#### 9. Bacteria

10. No, bacteria doesn't have membrane-bound organelles.
11. a. Nucleus and cytoplasm, cell wall  
b. mitochondria, endoplasmic reticulum
12. Eukaryote because it has a nucleus
13. Lysosomes
14. eukaryotic cells are bigger than bacterial cells.