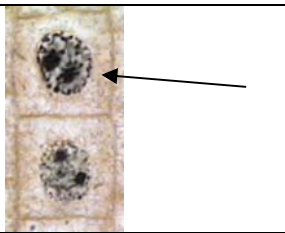




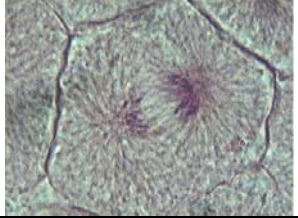

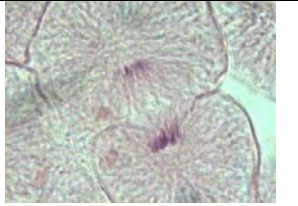
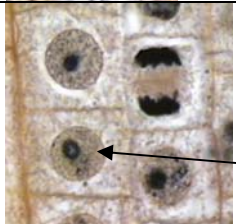
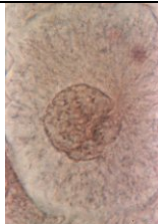


# Stages of Cell Cycle

Stage	Plant	Animal
Prophase		
Metaphase		
Anaphase		
Telophase		
Interphase		

## Tasks:

- Draw and label the stages of the cell cycle.
  - Remember that the distance across the field of view on high power is 350 um and on low it is 1450 um.
  - Label as many structures as you can. Use the label book on the book shelf if needed.
- Count 100 cells undergoing mitosis and record the number in each stage.
  - If you are looking at onion (*Allium*) the cells undergoing mitosis will be near the tip.
  - If you are looking at Whitefish blastula (developing fertilized egg) they will be spread between the various sections (slices on the slide).
- Graph the number vs stage. Use a Pie Chart. This should give you an approximate cell cycle. Since you are looking at a "snapshot" of an area of active cell division, stages that take longer will have more visible in that stage. Since stages that are short will not be likely to be caught in that stage, one can conclude that they will be "caught" less often.