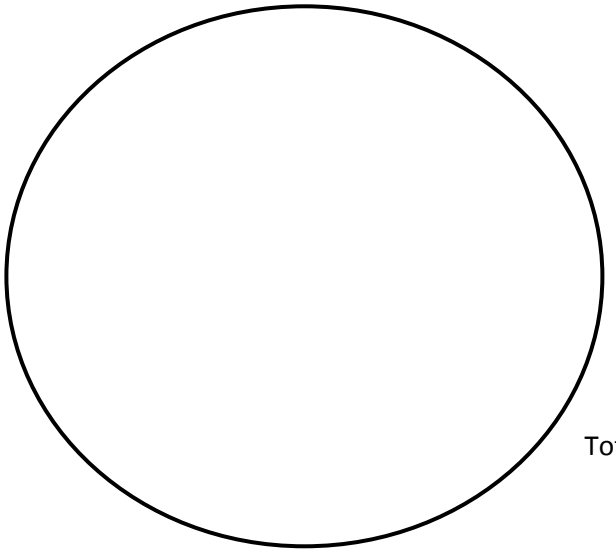
Hemingway Name:

Observing the Cell Cycle

In the cell cycle, a precise sequence of events leads to the production of new cells. In this investigation, you will observe and compare the stages of the cell cycle using prepared slides of onion root tip cells.

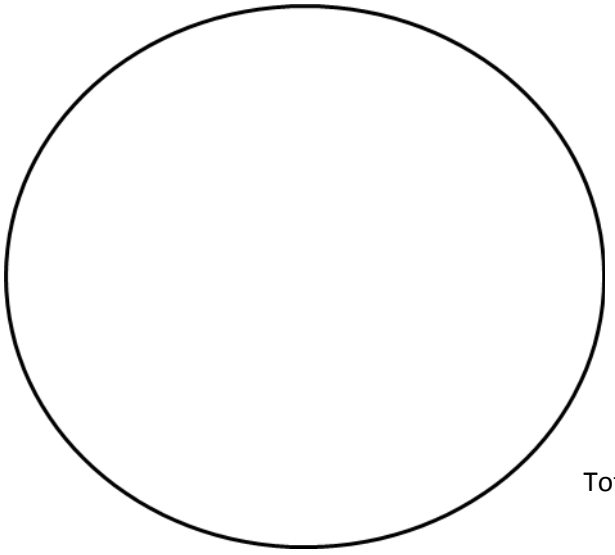
In the lab there will be microscopes that are set up to each of the stages of the cell cycle. It is your job to determine which stage is which and draw a representation of what you see. There will be repeats so be careful to identify the correct stage. All microscopes will be set on the 40X objective lens. The ocular lens is 10X. To calculate total magnification you must multiply both lenses together.

Interphase



Total Magnification_____

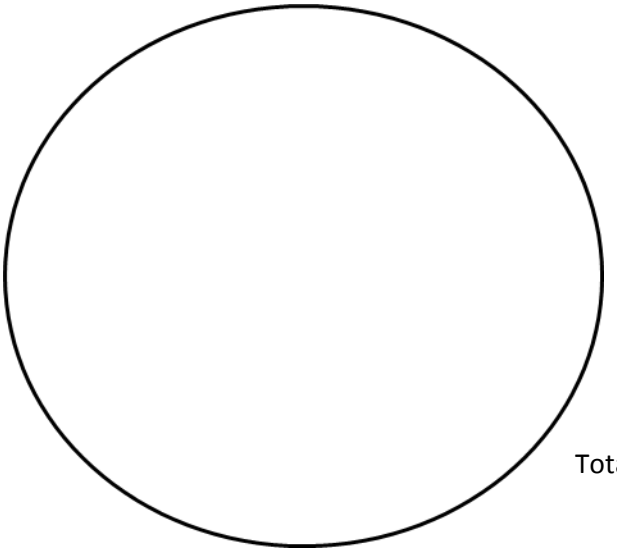
Prophase



Total Magnification_____

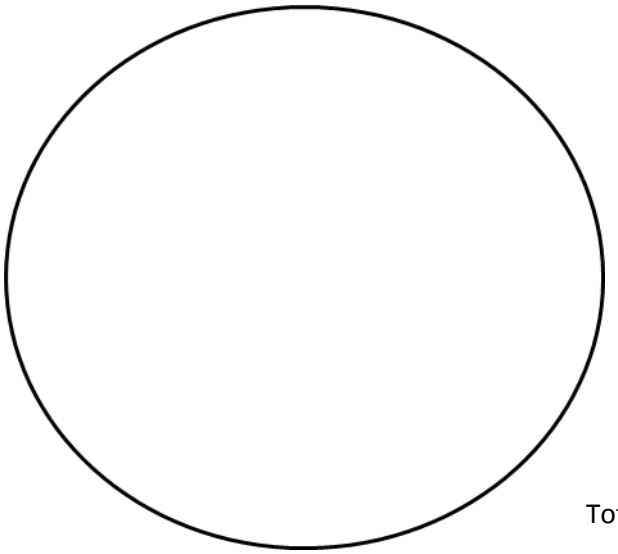
Hemingway Name:

Metaphase



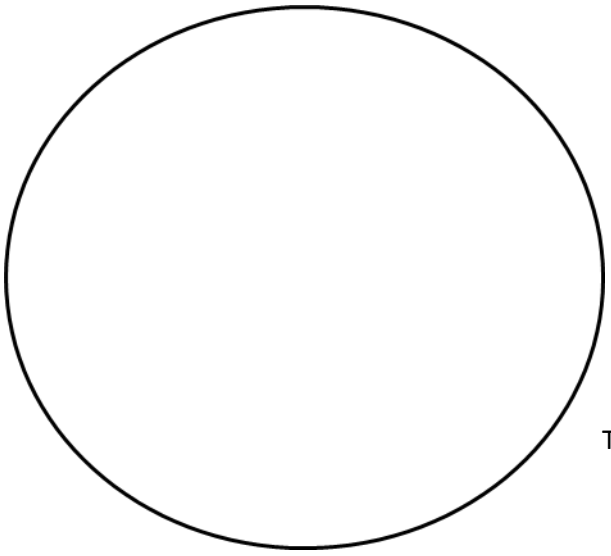
Total Magnification_____

Anaphase



Total Magnification_____

Telophase



Total Magnification_____