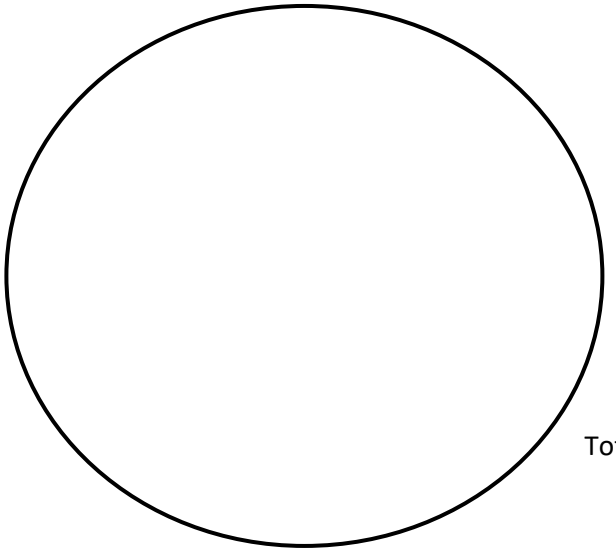
Hemingway Name:

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.

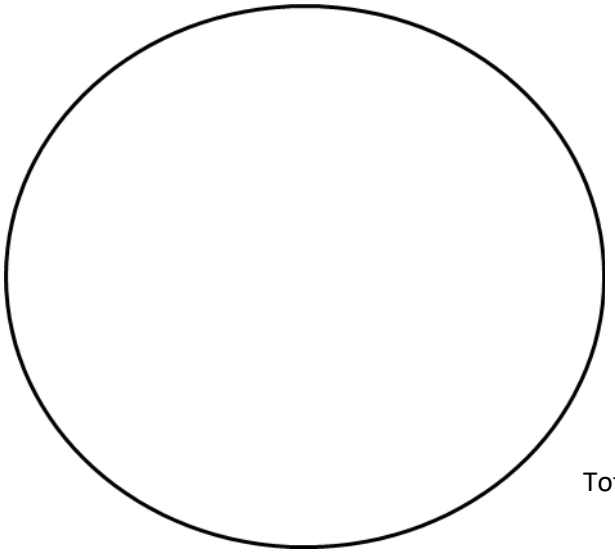
With a partner at your designated station you will obtain a prepared slide of an onion root tip undergoing Mitosis. It is your job to identify each stage of the cell cycle and draw a representation of what you see in the correct circle. All drawings should be completed on low or medium power. Be sure to include the total magnification of your drawing. To calculate total magnification you must multiply both the ocular lens and the objective lens together.

Interphase



Total Magnification_____

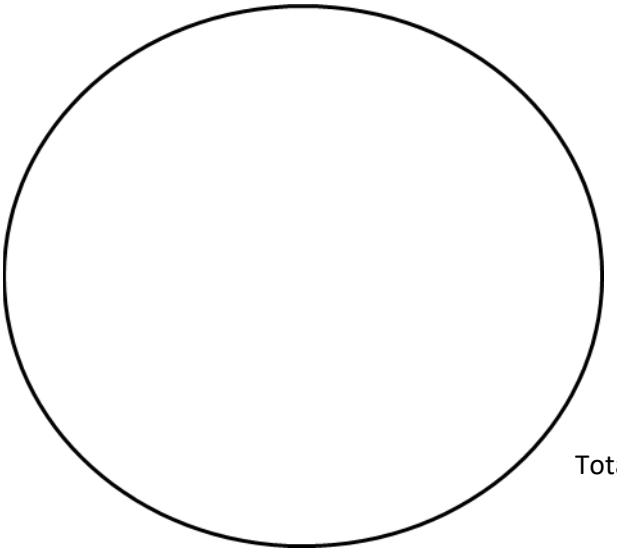
Prophase



Total Magnification_____

Hemingway Name:

Metaphase



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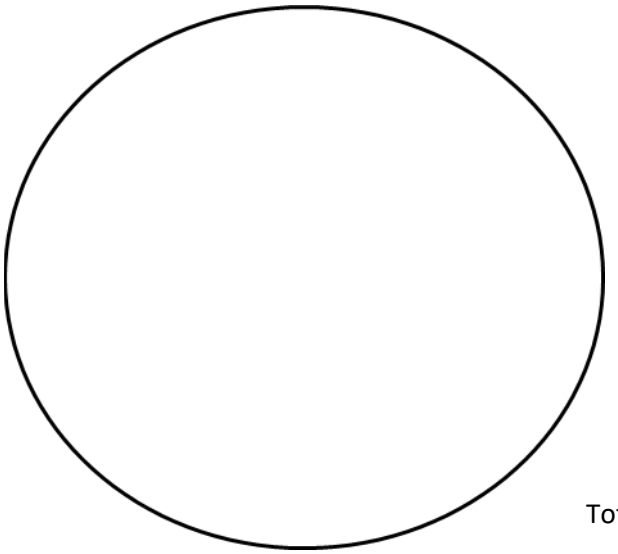
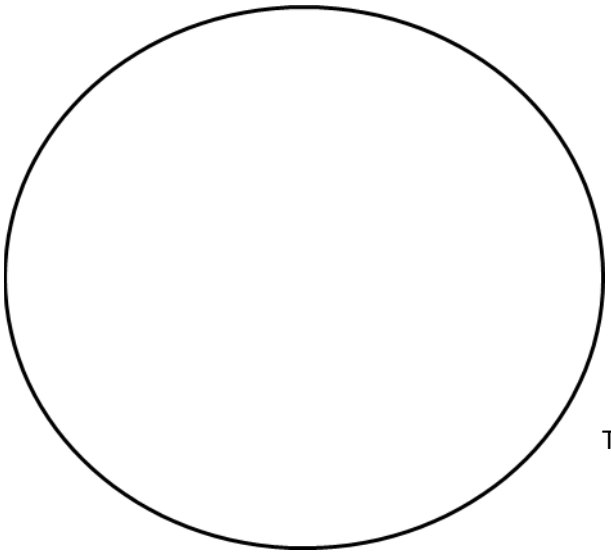
Anaphase



Total Magnification_____

Telophase



Total Magnification_____