

Mitosis & Meiosis Worksheet (15 points)

Lab # 6
Bio 130, fall 2000

Name _____

Mitosis

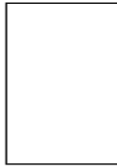
Your drawings should illustrate what you actually saw when using the microscope, rather than merely an idealized figure from a textbook, or what you thought it should look like.

Allium root tips : plant mitosis

Note that the cell outline, provided for these drawings, is dividing horizontally to form two cells, one above the other on the page. *The line that is drawn represents the cell wall of this plant cell. Please do not draw another cell wall within this cell wall.*

In each of these drawings label: (2 points)

- Chromosomes
- Spindle microtubules



Prophase



Metaphase



Anaphase



Telophase

Frequencies of mitotic stages in Allium root tips (2 points)

Cell division stage	Your group's data		Class Data	
	# cells	Percentage	# cells	Percentage
Interphase				
Prophase				
Metaphase				
Anaphase				
Telophase				
TOTALS:				

***See the next page for the table estimating the amount of time in each phase of the cell cycle.