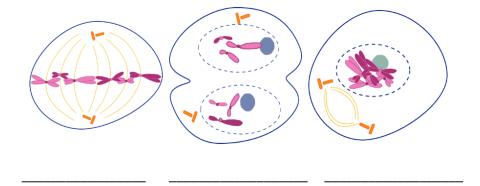
Name:	Date:	Period <sup>.</sup>		
	butc	Terrou		
Mitosis - Internet Lesson				
In this internet lesson, you will review the steps of You will also view an onion root tip and calculate division.				
Mitosis Tutorial at <a href="http://www.cellsalive.com/">http://www.cellsalive.com/</a>				
On the left side of the screen is a navigation bar, page and view the animation, you can slow down				
1. Which stage does the following occur:				
Chromatin condenses into chromosomes				
Chromosomes align in center of cell.				
Longest part of the cell cycle.		<del></del>		
Nuclear envelope breaks down.		<del></del>		
Cell is cleaved into two new daughter cells.				
Daughter chromosomes arrive at the poles.				
Chromatids are pulled apart				
Watch the video carefully.				
2. The colored chromosomes represent chromati duplicate of the other.	ds. There are two of	each color because one is an exact		
How many chromosomes are visible at the beginning of mitosis?				
How many are in each daughter cell at the end of mitosis?				
The little green T shaped things on the cell are:				
What happens to the centrioles during mitosis?	?			

# 3. Identify the stages of these cells:



## **Another Mitosis Animation**

Go to <a href="http://www.johnkyrk.com/mitosis.html">http://www.johnkyrk.com/mitosis.html</a> .

Draw a cell in each of the following phases.

Prophase	Metaphase	Telophase

### **Onion Root Tip**

Online Activity at <a href="http://www.biology.arizona.edu/cell-bio/activities/cell-cycle/cell-cycle.html">http://www.biology.arizona.edu/cell-bio/activities/cell-cycle/cell-cycle.html</a>

Read the introduction, then click the "next" button.

You will have 36 cells to classify. When you're finished, record your data in the chart below. Round to whole numbers.

	Interphase	Prophase	Metaphase	Anaphase	Telophase	Total
Number of Cells						
Percent of Cells (calculate: number of cells divided by total cells x 100)						

# Mitosis in Whitefish & Onion Roots

 $\underline{\text{http://www.biologycorner.com/projects/mitosis.html}}. \ Click \ on \ the \ Whitefish \ embryo \ and \ the \ onion \ root \ tip.$ 

For each organism, identify the stage of mitosis.

	View 1	View 2	View 3	View 4	View 5
Whitefish					
Onion					

# You Draw It!

Use the space below to draw the four stages of mitosis your own way, be sure to represent the major events of each phase