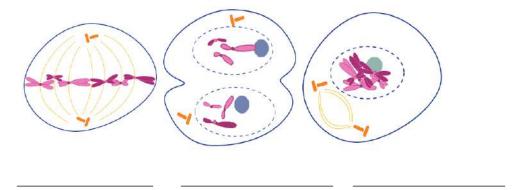
Name:	Date:	Period:
	Mitosis - Internet Lesson	
	view the steps of mitosis and view video si culate the percentage of cells at each of the	
Mitosis Tutorial at http://www.c	ellsalive.com/	
	avigation bar, click on the link to "MITO down the video by clicking step by step th	1 6
1. During which stage does each o	f the following occur?	
Chromatin condenses into chromo	osomes	
Chromosomes align in center of c	ell	·
Longest part of the cell cycle.		
Nuclear envelope breaks down.		
Cell is cleaved into two new daug	hter cells.	
Daughter chromosomes arrive at t	he poles.	
Chromatids are pulled apart		
Watch the video carefully.		
2. The colored chromosomes repreduplicate of the other.	esent chromatids. There are two of each co	olor because one is an exact
How many chromosomes are vis	ible 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 http://www.johnkyrk.com/mitosis.html .

Draw a cell in each of the following phases.

Prophase	Metaphase	Telophase

Onion Root Tip

Online Activity at http://www.biology.arizona.edu/cell-bio/activities/cell-cycle/cell-cycle.html

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

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					None
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