



Name: _____

Date: _____ Period: _____

The Cell Cycle

Part 1: In the folder on the desk, you will find material on the cell cycle. Study the graphics. Read the material. Then complete the following.

1. What is the longest period of the cell cycle? _____
2. During interphase, when does the DNA replicate or copy? _____
3. What happens during G1?
4. What happens during G2?
3. Sketch the cell cycle. Write a caption for your sketch.

CAPTION: _____

Another Mitosis Animation

Go to <http://www.johnkyrk.com/mitosis.html> . Draw a cell in each of the following phases.

Prophase	Metaphase	Telophase
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Mitosis in Whitefish & Onion Roots

<http://www.biologycorner.com/projects/mitosis.html>

For each organism, identify the stage of mitosis.

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

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: # of cells/ total cells x 100)						

Conclusion:

Most onion root tip cells are in _____.

Based on this data, which phase of the cell cycle is the longest? _____