Online- Onion Root Tips

Go to the following websites to view examples of Mitosis before completing the rest of the worksheet.

Site 1:   http://www.lewport.wnyric.org/jwanamaker/animations/mitosis.html
Site 2:   http://www3.telus.net/byngscience/sc10/Sc10~Biology/s_tan_division.swf

Go to the following website
http://www.biology.arizona.edu/cell_bio/activities/cell_cycle/cell_cycle.html
 to complete the following questions.

Read the 3 paragraphs then click on Next (at the bottom of the page).

Read the paragraphs about the 5 phases of Mitosis.

1) List three major events of Interphase.

2) List three major events of Prophase.

3. Why do the chromosomes line up down the middle of the cell during Metaphase?

4. What happens to the chromosomes during Anaphase?

5. Name two events that occur during Telophase?

6. What is Cytokinesis?

Click on the Next button at the bottom of the page.

Read the assignment and click next at the bottom of the page.

You should see a cell. Click on the phase in which this cells belongs.

Record the CORRECT answer on your data table below.

Go through all 36 cells and then total up the number of cells in each phase of Mitosis.

	Interphase	Prophase	Metaphase	Anaphase	Telophase	Total
number of cells						36
percent of cells						100%

Calculate the percent of cells in each of the 5 phases by taking the number of cells and dividing it by 36 for each of the 5 phases.

Calculate the amount time spent in different phases of the cell cycle.
Convert the percent of cells into a decimal and then multiply 24 hours. Calculate this for each of the 5 phases below.

Time spent (out of 24 hours) in each of the 5 phases

Interphase	Prophase	Metaphase	Anaphase	Telophase