Name:_____Hr:_____Date:_____

Today's activity is designed to help you review the cell cycle, see some animations, identify slides of plant cells in various stages of mitosis, and ultimately, understand the difference between haploid and diploid and how that affects chromosome number! Have fun!

Cell Cycle/ Cell Reproduction (Mitosis) Computer Lab Activity:

Part 1: Go to the following website: http://www.cellsalive.com/cell_cycle.htm

Play the animation of the cell cycle. Answer the following questions:

1. How many phases are shown? _____.
2. The yellow, blue and white phases together are called_____.
3. Why is G-1 longer than G-2?

   _____
   _____
4. While the cell passes through the blue phase explain what the orange and white lines in the bottom lefthand corner of the screen are representing:

_____
_____

Part 2: Click on the link along the lefthand side of the screen MITOSIS or go to this website: http://www.cellsalive.com/mitosis.htm

1. What are the green T shaped structures?_____
2. How many chromosomes are present in the original cell before it divides?_____ (Hint: watch carefully)
3. How many chromosomes does each new daughter cell receive?_____
4. Are the identical copies of chromosomes shown in the same color? Yes / No