

Name: _____ Date: _____ Period: _____

Cell Cycle: Internet Activity

Introduction:

How do cells grow and reproduce? When do our bodies know that it is time to create more cells? The following internet activity will provide you with an interactive activity to help you better understand the production of new cells in your body and how cells “decide” whether or not the new cells are “usable.” Go through the tutorial and game- good luck as you attempt to be the “Cell Division Supervisor” that controls the cell cycle!

Directions:

1. Go to the following website:
<http://nobelprize.org/medicine/educational/2001/index.html>
2. The page that comes up should be title “Nobelprize.org” and the opening screen for the activity “Control of the Cell Cycle” should appear.
3. Click on “Play the Control of the Cell Cycle Game”
4. Click “Enter” to begin the interactive activity.
5. Read through EVERYTHING and answer the questions below as you go through the tutorial and the game about the cell cycle. There are questions that are answered through the game!

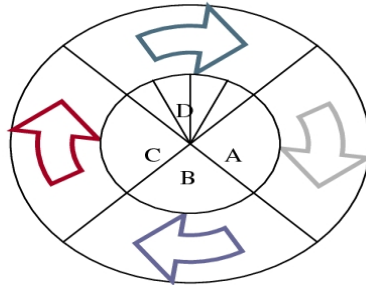
Questions:

1. When do cells divide?
2. How many cells are replaced in our bodies every minute?
3. List 2 kinds of cells and describe how often each kind divides.
4. What signals a cell to start dividing?
5. At this point, you should be looking at an image depicting the cell cycle (letters A-D- for now, ignore the divisions within section D). Label the picture below and provide descriptions for each part of the cycle with each label.

D: _____

C: _____

A: _____



B: _____