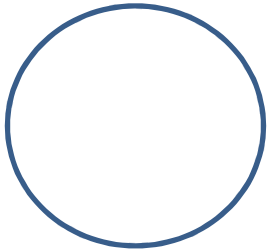
Cell Cycle Project

Cell Cycle

Create a cell cycle pie chart for your cell. Include G1, S, G2, and Mitosis. Make sure to add all of the times for your cell. Remember, the bigger the cell, the longer it will take in G1 and a bit in G2. Since we are assuming this cell is human-like, S-Phase will be set at 7 hours.



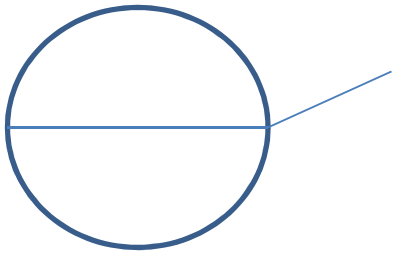
Mitosis

Draw and label the steps to mitosis. Include at least 2 chromosomes. Remember mitosis includes prophase, metaphase, anaphase, and telophase. If you have a complicated cell with lots of "personality", include 5-6 chromosomes. A cell with average personality should have 3-4 chromosomes.

Draw a picture of you cell here.

Cell Size

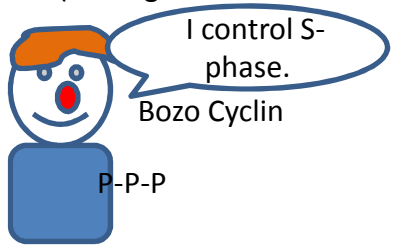
The average human cell is about 100 micrometers across. Based on this, draw your cell , showing an approximate diameter. Make sure it flows with your cell cycle timings.



Diameter = 100 micrometers

Cyclins

Draw little cartoons for the cyclins that will control your cell cycle. Draw them attached to their kinase. Indicate which part of the cell cycle each will govern. Name them any name your want (as long as their last name is cyclin).



Grading:

- 5 points for each quadrant accurately completed
- 2 points for middle cell picture.
- 4 points for neatness
- 4 Points for creativity

Total = 30 points