

Name _____

Period _____

Goals:

- 1) Students will accurately list the order of the steps of mitosis.
- 2) Students will accurately identify the steps of the cell cycle given a visual.
- 3) Students will describe major features of each step of the cell cycle.
- 4) Students will describe why asexual reproduction results in offspring with identical genetic information.

Given the point values below, students will choose assignments to be graded by the teacher that add up to a total of **60 points**. *Students may do up to 5 points of “bonus” if they have reached the 60 point total.* *Any “choice” assignments that students choose to do (maximum of 1) must be approved by the teacher and must be tied to one of the goals above.

5 POINTS

Notes chart (completion)	Worksheet (completion)
Foldable (completion)	*Choice

10 POINTS

*See teacher to schedule quiz ahead of time.

Picture Quiz	Order Quiz
Concept Quiz	Flipbook

20 POINTS

Unit Test	Project (see handout)
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CELL CYCLE PROJECT

YOUR PROJECT HAS TO SHOW ME THAT YOU UNDERSTAND THE CELL CYCLE AT A VERY HIGH LEVEL. YOU MAY CREATE WHATEVER YOU WANT. THINK ABOUT PRODUCTS YOU HAVE CREATED FOR OTHER CLASSES POSSIBLY. OR MAYBE IT COULD USE AN INTEREST YOU HAVE OUTSIDE OF SCHOOL. MAKE SOMETHING TO SHOW THE STEPS OF THE CELL CYCLE INCLUDING THE FOLLOWING PARTS. YOU MAY INCLUDE MORE INFORMATION OR PARTS, BUT YOU WILL BE GRADED ON THESE.

*Steps refers to the Cell Cycle and Mitosis.

Part	6 points	4 points	2 points
Chromosome	Student accurately describes the location of a chromosome in more than 5 steps.	Student accurately describes the location of a chromosome in more than 3 steps.	Student accurately describes the location of a chromosome in more than 1 step.
Centromere		Student label the centromere and details its function in more than 3 steps.	Student label the centromere and details its function in more than 1 step.
Centriole	Student accurately describes the location of the centriole in more than 5 steps.	Student accurately describes the location of the centriole in more than 3 steps.	Student accurately describes the location of the centriole in more than 1 step.
Nuclear Membrane (also called envelope)		Student demonstrated what happens to the nuclear membrane in more than 3 of the steps.	Student demonstrated what happens to the nuclear membrane in more than 1 step.