

Creative Cell Cycle & Mitosis Assignment

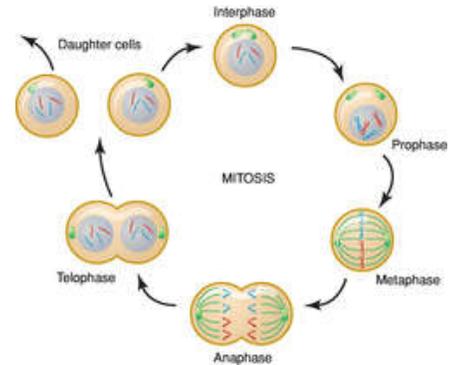
****You are to spend no more than 2 hours on this project****

Purpose:

Create an original project to show what you have learned.

Goals:

- **Describe** the stages of the cell cycle and phases of mitosis in **your own words**
- **Explain** why cell division is needed/important
- Provide at least 1 specific example of **where & why** cell division occurs in **plants & animals**
- Be sure to include/show specific terms listed below.
 - **HINT:** highlight them or somehow make them very easy to find



Assignment Ideas: This is NOT an all-inclusive list

1. Comic Strip/Book
2. Animation
3. Images created using household objects
4. Song/Poem
5. Foldable/Interactive
6. Video/Skit
7. YOUR Choice

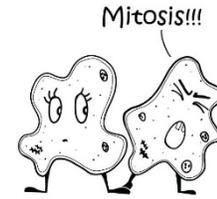


Submit to Edsby when completed

Required Specific Terms: (You are not limited to using just these words):

Interphase	Chromatin	G1 / S / G2	DNA replication
Mitosis			
Prophase	Chromosome	Centriole	Nuclear Membrane
Metaphase	Metaphase plate	Spindle fibers	Centromere
Anaphase	Sister Chromatids		
Telophase	Cytoplasm	Nucleus	Cleavage Furrow/Cell Plate
Cytokinesis	Daughter cells		

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Name: _____

Project: _____

	Approaching Expectations		Meeting Expectations	Exceeding Expectations	
	Beginning 1	Emerging 2	Developing 3	Proficient 4	Advanced 5
Stage/Phase Explanation - Interphase - Prophase - Metaphase - Anaphase - Telophase - Cytokinesis /30	Stage was mentioned with minimal/no explanation provided	Stage was included with limited information provided	Stage was included with basic details	Stage was explained with all details covered in lessons	Stage was explained thoroughly including additional detailed information
Specific terms /16	Specific terms include with several errors OR many terms missing	Specific terms included but not always clear or correct OR several terms missing	All specific terms indicated with basic details included OR some terms missing	All specific terms clearly indicated based on information covered in lessons	All specific terms clearly indicated with additional detailed information
Examples /5	Minimal/no explanation Missing many components or many errors	Mentioned example of where & why cell division occurs in plants and animals. Missing several component OR several errors	Briefly explained example of where & why cell division occurs in plants and animals. Missing one or more component OR Some errors	Clearly explained example of where & why cell division occurs in plants and animals - examples could be from lessons	Clearly explained example of where & why cell division occurs in plants and animals – examples not from lessons

Required Terms: (You are not limited to using just these words):

- | | | | |
|-------------|-------------------|----------------|----------------------------|
| Interphase | Chromatin | G1/S/G2 | DNA replication |
| Mitosis | | | |
| Prophase | Chromosome | Centriole | Nuclear Membrane |
| Metaphase | Metaphase plate | Spindle fibers | Centromere |
| Anaphase | Sister Chromatids | | |
| Telophase | Cytoplasm | Nucleus | Cleavage Furrow/Cell Plate |
| Cytokinesis | Daughter cells | | |

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