

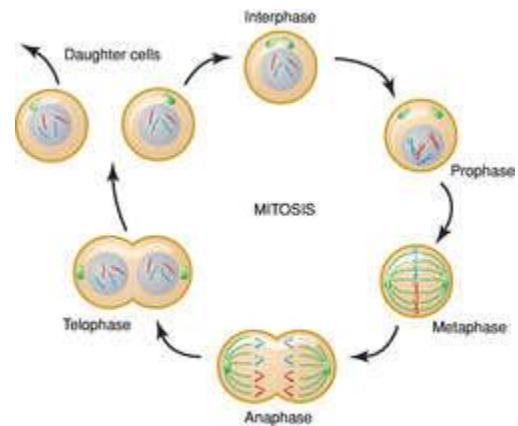
CREATIVE Cell Cycle & Mitosis Assignment

Purpose:

To create an original mitosis project as a means to strengthen understanding and show what you have learned.

Goals:

- Describe the stages of the cell cycle and phases of mitosis.
- Explain the role of, and what happens to, chromosomes, centrioles, centromeres, spindle fibers, nucleus, cell membrane
- Explain why cell division is needed/important



Assignment Ideas: *This is NOT an all-inclusive list*

1. Comic Strip/Book

2. Newspaper Article/Story.

3. Animation

4. Song/Poem

5. Foldable/Interactive

6. Video/Skit



7. YOUR Choice

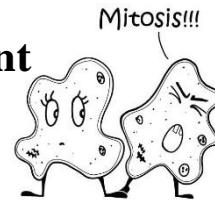
Required Terms: (You are not limited to using just these words):

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		

CREATIVE Cell Cycle & Mitosis Assignment

Name(s): _____

Project: _____



	Approaching Expectations		Meeting Expectations	Exceeding Expectations	
	Beginning 1	Emerging 2	Developing 3	Proficient 4	Advanced 5
Stage/Phase Explanation /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 class	Stage was explained thoroughly including additional detailed information
Role of Chromosomes and Organelles /5	Chromosomes and organelles are mentioned but no explanations are provided	Role of chromosomes and organelles has minimal information provided	Role of the chromosomes and organelles includes basic details	Role of the chromosomes and organelles explained with all details covered in class	Complete explanation of organelles during the cell cycle including additional detailed information
Purpose of Cell Division /5	Purpose is mentioned but no explanation provided	Explanations of purpose has minimal information provided	Explanations of purpose includes all basic details	Explanations of purpose is explained with all details covered in class	Complete explanation of the purpose of cell division including additional information

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/40