

Mitosis and Meiosis Project

Name: _____

For this assignment you must create a project that shows the stages of mitosis AND meiosis and describe what happens in each stage. You get to pick what type of project you do, but all projects will be graded on content, presentation, creativity. You will choose from the list of ideas provided and once you have determined what you will be doing, you will need to refer to the rubric for grading information.

PROJECT CHOICES

- 1. Newspaper article** – Write an article from the point of view of a person living during the discoveries of mitosis and meiosis. You must include the title of the newspaper, date, all the contributors and answer the “who, what, when, where and why” questions. Your article must be supported by pictures with captions, well organized thoughts, correct grammar and content. You may present your article to the class.
- 2. Poem or song** – Write an original poem or song explaining the steps of mitosis and meiosis. The organization of the poem/song must be clear. The poem/song must be descriptive, expressive and creative and must demonstrate an understanding of the concepts. Poems/songs must show correct grammar. For songs, the tune must also be provided. The song/poem may be read or sung to the class.
- 3. Create a model of both mitosis and meiosis** – Demonstrate the steps of mitosis and meiosis visually by creating a model of these processes. The model must be accurate, demonstrate knowledge of the information, and be a creative design. It must be a 3D model and cannot be a poster or drawing on paper. You may explain your model to the class (there will need to be a writing piece included if you choose to do this; you can also choose to make a movie).
- 4. Write a children’s storybook** – Write an original story explaining the steps of mitosis and meiosis. The story must include all the parts of a story including characters, plot, dialogue, vivid descriptions and illustrations. The story must be creative and show correct grammar. The story must be clearly written, illustrated and show and understanding of the concepts. You must create a book to present the story. You may read the book to the class.
- 5. Political cartoon** – You must create a political cartoon strip showing the steps of mitosis and meiosis. The cartoon must include colored drawings and captions. It must be creative and accurate and show an understanding of the concepts. The cartoon must be clean, neat and well organized. You may relate the cartoon to any political activities that have occurred in history. You may share the cartoon with the class.
- 6. Animated FlipBook** – You must create a flip book depicting mitosis and meiosis that will show the stages of each process when flipped. Each page must have a picture (colored, and the colors must be consistent throughout the flip book) as well as a description of what is happening to the key components. At the end of the book, you must write a comparison and contrast of the two processes as they are seen in your flip book.

Note: Please make sure you discuss the importance of cell division (at least one paragraph) in your writing portion of your assignment before discussing the steps involved in mitosis and meiosis.

*****Grading rubric is on the back of this paper*****

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Guidelines:

- Due _____
- This project will count as a test grade

(Circle One) Project 1 Project 2 Project 3 Project 4 Project 5 Project 6

Grading Rubric for All Projects

	50 Points	40 Points	30 Points	20 Points	Total Points
Content- 50 Points Total	All steps of Mitosis/Meiosis included, all directions followed, and all descriptions accurate	1-3 parts missing or descriptions inaccurate	4-6 parts missing or descriptions inaccurate	7 or more parts missing or descriptions inaccurate	

	25 Points	20 Points	15 Points	10 Points	Total Points
Presentation- 25 Points Total	Neat, message is clearly communicated (either visually or written)	Mostly neat, message is mostly communicated clearly (either visually or written)	Somewhat neat, message is somewhat communicated clearly (either visually or written)	Lacks neatness, message lacks communication (either visually or written)	

	15 Points	10 Points	5 Points	0 Points	Total Points
Creativity- 15 Points Total	Innovative, unique ideas	Generally creative ideas	Somewhat creative ideas	Lacks creativity	

	15 Points	10 Points	5 Points	0 Points	Total Points
Sources Cited- 10 Points Total	Sources sited on its own separate page	Sources sited but not on its own separate page	Some sources sited but missing information	No sources sited	

Final Grade

Comments:

