**Biology 9: Meiosis Dinner Menu Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Pick one under each category. DUE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Appetizer** (Criteria A: Knowing and Understanding)

* **Book assignment**
* Page 157-161 #1-5
* Page 162 #1-3
* Page 163-166 #1-5
* **Venn Diagram Poster with visuals**
* Include a total of at least 10 similarities and differences
* Include 2 diagrams per section of the Venn Diagram

**Entrée** (Criteria D: Reflecting on the Impacts of Science)

* **Cancer Brochure**
* 6 sections total (front page= 1,5,6 back page=2,3,4) brochure highlighting a type of cancer
* Section 1- Cancer type (include diagram and/or illustration)
* Section 5- Current research
* Section 6- Interesting facts
* Section 2- Symptoms and any lifestyle choices associated with this type of cancer
* Section 3- Treatments and/ or cure
* Section 4- How common is it?
* **Cancer Paper**
* The paper should be a minimum of 1 page in length (not including the work cited page) and should follow the rules of APA for in- text citations and work cited
* Use Times New Roman size 12 font with double spacing and 1 inch margins
* Indicate the following information in your research paper:

-Major characteristics of your type of cancer

-What part of the body it affects and why

-Prevention- if any (be specific= medical or non-medical)

-Treatments and/ or cure

-Causes (be specific)

-Statistics about your type of cancer

**Dessert** (Criteria A: Knowing and Understanding)

* **Song/rap or poem about mitosis and meiosis**
* Include a title describing the event
* Include at least 15 mitosis and meiosis vocabulary words
* **Comic strip about mitosis or meiosis**
* Include a title describing the event
* Include at least 6 frames
* Each frame must be full
* Each frame must include at least 1 text box, speech bubble or thought bubble
* Each frame must include color illustrations

**Appetizer- Criteria A: Knowing and Understanding**

|  |  |
| --- | --- |
| Achievement Level | Level DescriptorThe student is able to: |
| 0 | The student does not reach a standard identified by any of the descriptors below. |
| 1-2 | * State scientific knowledge
* Apply scientific knowledge and understanding to suggest solutions to problems set in familiar situations
* Interpret information to make judgments.
 |
| 3-4 | * Outline scientific knowledge
* Apply scientific knowledge and understanding to solve problems set in familiar situations
* Interpret information to make scientifically supported judgments.
 |
| 5-6 | * Describe scientific knowledge
* Apply scientific knowledge and understanding to solve problems set in familiar situations and suggest solutions to problems set in unfamiliar situations
* Analyze information to make scientifically supported judgments.
 |
| 7-8 | * Explain scientific knowledge
* Apply scientific knowledge and understanding to solve problems set in familiar and unfamiliar situations
* Analyze and evaluate information to make scientifically supported judgments.
 |

**Entrée- Criteria D: Reflecting on the Impacts of Science**

|  |  |
| --- | --- |
| Achievement Level | Level DescriptorThe student is able to: |
| 0 | The student does not reach a standard identified by any of the descriptors below. |
| 1-2 | * Outline the ways in which science is used to address a specific problem or issue
* Outline the implications of using science to solve a specific problem or issue, interacting with a factor
* Apply scientific language to communicate understanding but does so with limited success
* Document sources, with limited success
 |
| 3-4 | * Summarize the ways in which science is applied and used to address a specific problem or issue
* Describe the implications of using science and its application to solve a specific problem or issue, interacting with a factor
* Sometimes apply scientific language to communicate understanding
* Sometimes document sources correctly
 |
| 5-6 | * Describe the ways in which science is applied and used to address a specific problem or issue
* Discuss the implications of using science and its application to solve a specific problem or issue, interacting with a factor
* Usually apply scientific language to communicate understanding clearly and precisely
* Usually document sources correctly
 |
| 7-8 | * Explain the ways in which science is applied and used to address a specific problem or issue
* Discuss and evaluate the implications of using science and its application to solve a specific problem or issue, interacting with a factor
* Consistently apply scientific language to communicate understanding clearly and precisely
* Document sources completely
 |

**Dessert- Criteria A: Knowing and Understanding**

|  |  |
| --- | --- |
| Achievement Level | Level DescriptorThe student is able to: |
| 0 | The student does not reach a standard identified by any of the descriptors below. |
| 1-2 | * State scientific knowledge
* Apply scientific knowledge and understanding to suggest solutions to problems set in familiar situations
* Interpret information to make judgments.
 |
| 3-4 | * Outline scientific knowledge
* Apply scientific knowledge and understanding to solve problems set in familiar situations
* Interpret information to make scientifically supported judgments.
 |
| 5-6 | * Describe scientific knowledge
* Apply scientific knowledge and understanding to solve problems set in familiar situations and suggest solutions to problems set in unfamiliar situations
* Analyze information to make scientifically supported judgments.
 |
| 7-8 | * Explain scientific knowledge
* Apply scientific knowledge and understanding to solve problems set in familiar and unfamiliar situations
* Analyze and evaluate information to make scientifically supported judgments.
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