STAYING CURRENT ASSIGNMENT

Domains of **Biotechnology**

*Article Summary and Presentation*

Science is not a static field of study. Fascinating new discoveries are being made everyday. Use the Internet to find an article about a domain of biotechnology. You may work with a partner and may choose a domain from the list below. You can focus on the coronavirus or any topic that interests you and falls under one of the domains:

* Agriculture
* Environmental/Industrial/Biodefense
* Medical/Pharmaceutical
* Diagnostic/Research/Bioinstrumentation

Examples of websites with science news databases include [www.sciencedaily.com/news/plants\_animals/biotechnology](http://www.sciencedaily.com/news/plants_animals/biotechnology) [www.genengnews.com](http://www.genengnews.com) , and [www.biospace.com/news.aspx](http://www.biospace.com/news.aspx), <http://www.sciencenews.org/>, <http://www.actionbioscience.org/>

For the article you choose, you should record your summary in the following format including labels. If you are working with a partner each of you will turn in a separate summary but will present together. Your summary should include all of the items listed below:

Article: Write the title and source of the article and its publication date at the top of your page. **(1/2 point)**

Summary**: 2-3 summary paragraphs**, ***in your own words***, about the article. **(1 point per paragraph)**

Significance: **one paragraph** discussing why you chose the article ***and*** how it is important to society. **(1.5 points)**

Ethical Implications: **one paragraph** on how this new technology or discovery might affect people or the world as a whole, make sure to include unintended consequences **(1 point)**

Genetic / Biotechnology Component: **one paragraph** on how this new technology or discovery is related to Biotechnology, Genetics or DNA (**2.5 points**)

**Attach a copy** of the article to your paper. Highlight the article, copy and paste it into a Microsoft® Word® document. Record the website address (URL) if it is not on the document. **(1/2 point)** The article you choose must not have been published more than a year ago and be a ***minimum*** of five paragraphs (25-30 sentences.)

Your current events article assignment will be graded according to the following rubric:

CURRENT EVENTS ARTICLE RUBRIC

|  |  |  |  |
| --- | --- | --- | --- |
|  | Proficient (10 pts) | Developing (7.5 pts) | Needs work (5 pt) |
| Summary | Captures and communicates the main points of the article  3 paragraphs | Captures some of the main points or does not stick to the main points and includes too much supportive information  2 paragraphs | Reflects little understanding of the main points of the article  1 paragraphs |
| Significance | Aptly expresses why the article is of significance to society and why, personally, he/she chose the article | Expresses either why the article was chosen or how the article is significant to society but not both | Does not express why the article was chosen or how the article is significant to society. |
| Ethical  Implications | Wrote several sentences on discovery might affect people or the world as a whole, and included unintended consequences | Gave a simplistic answer to how people or the world might be affected but included unintended consequences | Gave a simplistic answer to how people or the world might be affected and did not include unintended consequences |
| Biotech | Clearly relates the topic to biotech | Somewhat relates the topic to biotech | Didn’t relate to biotech |
| Format | Identifies the title, source publication date, attaches the article | One of the four listed is missing. | Two of the four listed are missing. |
| Writing | All statements are in students own words. | One phrase very similar to one in the original article | Two or three phrases very similar to ones in the original article |
| Length of article | Original article is at least 25 sentences long. | Article is 16 to 24 sentences in length. | Original article is 15 or less sentences. |

Article Presentation Rubric

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Check | Item Needed | Group Member Responsible | Points Possible | Points Received |
|  | Minimum of three interesting and important items from the article |  | 10 |  |
|  | At least two reasons why the article is significant to society and how it relates to the domain of biotechnology |  | 10 |  |
|  | Image/Picture relating to the topic |  | 5 |  |
|  | Explanation to class over topic |  | 10 |  |

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