

**Biotechnology in North Carolina Today: LESSON 4: Elaborate: Facets of Biotechnology**

Due date: \_\_\_\_\_

1. Read the NC BioBrief “New Tools for the State’s Industries” and select one of the following for further research:
  - a. Agriculture
  - b. Aquatic Life
  - c. Biofuels/Energy
  - d. Defense
  - e. Environment
  - f. Food Processing
  - g. Forensics
  - h. Forestry
  - i. Health Care
  - j. Household Products
  - k. Industrial Processing
  - l. Natural Products
  - m. Textiles
  
2. For your topic, find the following information:
  - a. Biotechnology
    - i. What problems can biotechnology address in this topic?
    - ii. What impact is biotechnology having on this industry in general?
  - b. North Carolina
    - i. What North Carolina companies are involved?
    - ii. Give examples of how North Carolina industries or universities are working on this topic.
  - c. In the News
    - i. Find a current even in the news that relates to how biotechnology is working to address this topic. Summarize the article in bullet points.
  - d. Career
    - i. What careers are available for people who would like to work in this area?
    - ii. What training would a person need for that career?
    - iii. What kind of income could they earn?
  
3. Presentation Product
  - a. Must include all of the information above.
  - b. Must be attractive and easy to read.
  - c. Must include pictures or graphics that are large enough to see.
  - d. Must include a works cited. MLA Format
  - e. Must be presented to the class.

Suggested Resources:

NC Biotechnology Center: [www.ncbiotech.org](http://www.ncbiotech.org) “New Tools for the State’s Industries,” “Career Pathways: Biotechnology Edition.

Citation Machine: <http://citationmachine.net>

## Presentation Project : Biotechnology in North Carolina

Teacher Name: \_\_\_\_\_ Student Name: \_\_\_\_\_

CATEGORY	4	3	2	1
Biotechnology Content	Covers topic in-depth with details and examples. Subject knowledge is excellent.	Includes essential knowledge about the topic. Subject knowledge appears to be good.	Includes essential information about the topic but there are 1-2 factual errors.	Content is minimal OR there are several factual errors.
North Carolina Content	Covers topic in-depth with details and examples. Subject knowledge is excellent.	Includes essential knowledge about the topic. Subject knowledge appears to be good.	Includes essential information about the topic but there are 1-2 factual errors.	Content is minimal OR there are several factual errors.
In the News Content	Covers topic in-depth with details and examples. Subject knowledge is excellent.	Includes essential knowledge about the topic. Subject knowledge appears to be good.	Includes essential information about the topic but there are 1-2 factual errors.	Content is minimal OR there are several factual errors.
Careers Content	Covers topic in-depth with details and examples. Subject knowledge is excellent.	Includes essential knowledge about the topic. Subject knowledge appears to be good.	Includes essential information about the topic but there are 1-2 factual errors.	Content is minimal OR there are several factual errors.
Attractiveness	Makes excellent use of font, color, graphics, effects, etc. to enhance the presentation.	Makes good use of font, color, graphics, effects, etc. to enhance to presentation.	Makes use of font, color, graphics, effects, etc. but occasionally these detract from the presentation content.	Use of font, color, graphics, effects etc. but these often distract from the presentation content.
Presentation	Well-rehearsed with smooth delivery that holds audience attention.	Rehearsed with fairly smooth delivery that holds audience attention most of the time.	Delivery not smooth, but able to maintain interest of the audience most of the time.	Delivery not smooth and audience attention often lost.
Sources	Source information collected for all graphics, facts and quotes. All documented in desired format.	Source information collected for all graphics, facts and quotes. Most documented in desired format.	Source information collected for graphics, facts and quotes, but not documented in desired format.	Very little or no source information was collected.

Organization	Content is well organized using headings or bulleted lists to group related material.	Uses headings or bulleted lists to organize, but the overall organization of topics appears flawed.	Content is logically organized for the most part.	There was no clear or logical organizational structure, just lots of facts.
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