

Unit 3 Biological Adaptation Brochure

LS4-MS-5: Gather and synthesize information about the technologies that have changed the way humans influence the inheritance of desired traits in organisms.

BROCHURE DIRECTIONS:

- ❖ You will design your own tri-folded brochure.
- ❖ Decide which one of the following topics you would like to investigate for the brochure:
 - Genetic Modification of food (*GMOs*)
 - Animal Husbandry (*the science of breeding and caring for farm animals*)
 - Gene Therapy (*the transplantation of normal genes into cells in place of missing or defective ones in order to correct genetic disorders*)
- ❖ You will conduct research that will include the following items:
 - Background information and technology used
 - Impacts on society
 - Pros
 - Cons
- ❖ You will need to research and site at least 3 outside sources.

GRADING:

Title/Cover	5	4	3	2	0
<i>Front</i>	Title, name, period and relevant illustration included	All written information is included, but sloppy illustration	All written information is included, but no illustration included	Missing information	Not done.
Categories	20	15	10	5	0
<i>Background info. & technology</i>	2 or more detailed paragraphs including proper grammar and punctuations	2 paragraphs lacking some detail proper grammar	Missing either background information or technology information	Explanation of characteristic is unclear.	Not done
<i>Impacts on society</i>	2 or more detailed paragraphs including proper grammar and punctuations	2 paragraphs lacking some detail proper grammar	Only 1 paragraph included	Explanation of characteristic is unclear.	Not done
<i>Pros</i>	5 or more bulleted points with a complete thought explanation for each point.	.5 or more bulleted points that lack detail	3-4 bulleted points	Explanation of characteristic is unclear.	Not done
<i>Cons</i>	5 or more bulleted points with a complete thought explanation for each point.	.5 or more bulleted points that lack detail	3-4 bulleted points	Explanation of characteristic is unclear.	Not done
Back Cover	5	4	3	2	0
<i>Sources</i>	3 or more sources in MLA format	3 or more sources not correctly formatted	2 sources	1 source	Not done
Overall Quality	10	8	6	4	1
<i>Neatness</i>	Exceptionally neat 2 additional relevant illustrations with a 1-sentence caption for each	Neat with 2 additional relevant illustrations with a 1-sentence caption for each	Nice with 2 additional relevant illustrations, but lacking detail	Lacking neatness Missing illustration or captions	Sloppy or lacking effort

AUTHOR DIRECTIONS:

Background information and technology used:

1. Background (1 paragraph): Explain what it is.
2. Technology (1 paragraph): What types of science and technology is involved?

Pros & Cons:

1. What are the good and bad sides of this technology?
2. Minimum of 5 pros and 5 cons. (bullet points or paragraph form)

Impacts on society (2 paragraph):

1. What are the impacts that this technology has on society (people, animals, plants, or environment)?
2. How can it benefit or impair society (people, animals, plants, or environment)?
3. Elaborate on the pros/cons if you need to.

Sources:

1. You must have at least 3 different sources for your information.
2. They are to be sited using the MLA format.

Illustrations:

1. You will need a total of 3 relevant illustrations.
 - a. You must have at least on relevant illustration on the front cover.
 - b. You must have at least 2 other relevant illustrations throughout the brochure with a 1-sentence caption for each.

HOW TO SET UP BROCHURE:

SIDE 1

<u>Background Information and Technology Used</u>	<u>Pros</u>	<u>Cons</u>

SIDE 2

<u>Impacts on Society</u>	<u>Sources</u>	<u>Title</u> Name Period Illustration