

Name: _____ Period: _____ Topic: _____

Genetics Infographic Assignment

Due: _____

With the advent of many new genetic technologies, society is behind in determining the most ethical way to utilize them to help society. You will research one current issue in genetic technology and make a claim about how it can most ethically be used to benefit our world.

The Task:

You will create an infographic poster to hang in the school to help your peers understand ethical issues in genetics today and to make an argument about their use. It will include 3 major parts:

Claim

You will make a claim about a specific genetic technology issue and present an argument about their responsible use for the viewer. You will present the issue clearly and make your argument known.

Evidence

You will present evidence backing your claim. This should be just facts!

Include:

- Research from respectable sources including:
 - Possible negative effects of genetic technologies
 - Possible positive effects of genetic technologies
 - Additional information/statistics to inform reader about the problem
- At least one graph or pie chart to display information
- Background information about molecular genetics/DNA related to your issue

Reasoning

- Connect the evidence presented to your claim.
- Be sure to base your reasoning on sound scientific principles.
- Address potential arguments against your claim.

Additional Requirements:

- Cite sources in MLA format
- Include at least 2 images in addition to your chart or graph

This project is designed to persuade people to make better choices, so be sure to make it visually interesting and attractive.

This project must be created on **Canva**. You must make a free account to get started.

You can choose any issue relevant to you or pick one from the following list:

- Designer babies
- Genetic testing for health insurance
- Deextinction
- 3 parent babies
- CRISPR technology
- GMOs
- Germline Gene Therapy
- Cloning

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Summarize the arguments in favor of using this technology:

What evidence supports arguments in favor of using this technology? (Please give specific facts- not opinion here)

Summarize the arguments against using this technology:

What evidence supports arguments against using this technology? (Please give specific facts- not opinion here)

CLAIM- What argument do you want to make about this issue? Make sure it is clear, specific and can be supported by evidence. It should be a complete sentence.

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Genetics Infographic Rubric

Category	Excellent (8pts)	Good (6pts)	Partial (4pts)	Inadequate (0-2pts)
Claim (recommendation)	<p>Claim is clear and specific</p> <p>Claim relates to a relevant issue in today's society</p> <p>Claim appears at top of infographic</p>	<p>Claim is clear</p> <p>Claim may not relate to a relevant issue in society</p> <p>Claim appears at top of infographic</p>	<p>Claim is unclear</p> <p>Claim does not relate to an issue relevant to our society</p> <p>Claim may be difficult to locate</p>	<p>Claim does not exist</p> <p>Claim is not related to genetic ethics</p> <p>Unable to locate claim</p>
Evidence	<p>Evidence is detailed and from a reputable source</p> <p>Includes:</p> <ul style="list-style-type: none"> ● Possible negative outcomes ● Possible positive outcomes ● Additional information/statistics ● At least one graph ● Information about molecular genetics/DNA 	<p>Evidence may be missing a few details, but is still persuasive</p> <p>Evidence is from a reliable source</p> <p>May be missing or lacking detail in one minor requirement</p>	<p>Evidence lacks adequate detail to be persuasive and informative</p> <p>Evidence may be from a questionable source</p> <p>Is missing or lacking detail in major areas</p>	<p>Evidence is lacking or inaccurate</p> <p>Evidence is not from a reliable source</p> <p>Has few details</p> <p>Is missing major parts</p>
Reasoning	<p>Evidence is clearly and convincingly connected to the claim</p> <p>Reasoning is based on clear and sound scientific principles</p> <p>Potential arguments against claim are carefully addressed</p>	<p>Evidence is clearly connected to claim</p> <p>Reasoning is sound, but may not elaborate on evidence adequately</p> <p>Potential arguments against claim are addressed.</p>	<p>Evidence may not be clearly connected to the claim</p> <p>Reasoning may not be adequate or scientifically sound</p> <p>Potential arguments against claim may not be addressed</p>	<p>Evidence is not clearly connected to the claim</p> <p>Reasoning is not adequate or scientifically sound</p> <p>Potential arguments against claim are not addressed</p>
Other	<p>Sources are cited in MLA format</p> <p>At least 2 images are present and contribute meaningfully to infographic</p> <p>Infographic is beautiful and visually appealing</p>	<p>Sources are cited in MLA format</p> <p>At least 2 images are present</p> <p>Infographic is neat and visually appealing</p>	<p>Sources may not be properly cited</p> <p>One image is missing or images distract from purpose</p> <p>Infographic may be messy</p>	<p>Sources are not cited</p> <p>Images are missing or serve no educational purpose</p> <p>Infographic is confusing and messy</p>