Designer Babies Jigsaw

Expert Group

Article Name: _____

Main Idea(s)
Advantages? Disadvantages?
Interesting/Supporting Facts
Summary

Designer Babies Jigsaw

Home Group

Article Title	Source

Article Title	Source

Designer Babies Stance
(**C**laim – **E**vidence – **R**easoning)

QUESTION: Do you think the possibility of having a designer baby is a positive or negative idea for society?

CLAIM: The possibility of having a designer baby is a _____ idea for society.

EVIDENCE: (from articles/video clip); this is to support your claim

REASONING: Explain **WHY** the evidence supports your claim

According to Google, **genetic engineering** is the genetic modification to an organism's genes using biotechnology. It changes the genetic make-up and can transfer genes across species boundaries to improve not only the organism's genotype, but also its phenotype.

This is what allows scientists to create "designer babies."

Using what you learned from the Designer Babies Jigsaw Activity, you are going to write a paper on your position about if having a designer baby is positive or negative for society.

Your paper should include a **MINIMUM** of 4 paragraphs that include the following:
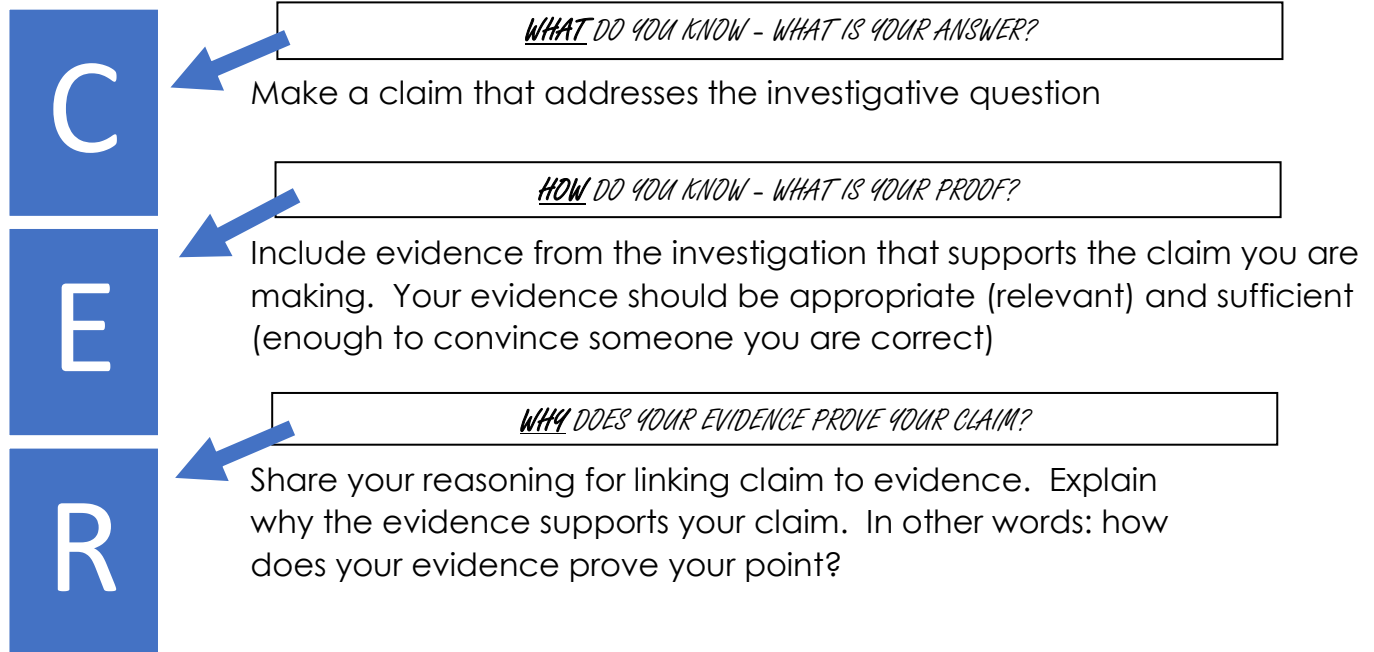
- **Paragraph 1**: Introduction/**Claim** - Summary of what you learned about designer babies. What is it? How is it done?

- **Paragraph 2**: **Evidence/Reasoning** - Reason 1 you believe that designer babies are positive/negative for society. Make sure to provide evidence to support your reason.

    o i.e. – think about the question… How does the evidence prove your point?

- **Paragraph 3**: **Evidence/Reasoning** - Reason 2 you believe that designer babies are positive/negative for society. Make sure to provide evidence to support your reason.

    o i.e. – think about the question… How does the evidence prove your point?

- **Paragraph 4**: **Conclusion** – Summary of what designer babies are & your reasons for supporting or not supporting this technology in society. *REMEMBER – DO NOT introduce new ideas; ONLY summarize.*

Designer Babies CER Rubric

Jigsaw – Expert Group		Grammar (final product)	
• Collaborated with other "experts" to learn and understand their assigned article • Documented detailed information from the assigned article • Maintained focus (no off-task behavior), showed respect to fellow experts.	____/12	• Complete sentences • Correct spelling • Correct punctuation • 5-7 sentences per paragraph	_____/12
Jigsaw – Home Group • Collaborated with other "home team" members to share "expert" information • Documented detailed information "home team" members were sharing • Maintained focus (no off-task behavior), showed respect to fellow "home team" members.	____/12		

Criteria	4 Advanced	3 Proficient	2 Progressing	1 Beginning	0 Not Yet
Claim *A statement that answers the original question/ problem.* (x2)	• Makes a claim that is relevant, accurate, and complete. • Written in a way that engages the reader *(hooks the reader).*	Makes a claim that is… • Relevant (Directly & clearly responds to question) • Accurate (Consistent with evidence and scientific concepts) • Complete (Complete sentence that stands alone)	• Makes a relevant and accurate but incomplete claim *(answers only part of the question).*	• Makes an inaccurate or irrelevant claim *(does not relate to topic).*	• Does not make a claim.
Evidence *Scientific evidence that supports the claim. The evidence needs to be appropriate and enough to support the claim.* (x6)	• Provides appropriate and enough evidence to support claim. • Provides evidence from additional sources *(more than articles given in class)*	Provides evidence to support the claim that is… • Appropriate *(Scientific evidence or information from observations, investigations, data analysis, or valid scientific sources)* • Enough evidence to support the claim *(convinces someone that your claim is correct)*	• Provides accurate, but not enough evidence to support claim *(more evidence needed to prove claim is correct)* • May include some inaccurate evidence.	Does not provide evidence, or only provides inaccurate evidence *(Evidence that does not support claim).*	• Does not provide evidence.
Reasoning *A justification that connects the evidence to the claim. It shows why the evidence counts.* (x10)	• Provides reasoning that clearly connects the evidence to the claim. • Includes accurate and enough scientific evidence to explain why the evidence supports the claim. • Includes real world scenarios and/or examples to support evidence.	Explanation provides reasoning that is… • Clear (Clearly communicated and goes beyond repeating claim and evidence) • Connected (Explains why or how the evidence supports your claim)	Provides some reasoning that connects the evidence to the claim and/or explanation unclear and/or confusing Includes some scientific ideals or justification for why the evidence supports the claim *(needs more proof)*	Provides reasoning that does not connect evidence to claim.	Does not provide reasoning.

C | _WHAT_ DO YOU KNOW - WHAT IS YOUR ANSWER?
Make a claim that addresses the investigative question

E | _HOW_ DO YOU KNOW - WHAT IS YOUR PROOF?
Include evidence from the investigation that supports the claim you are making. Your evidence should be appropriate (relevant) and sufficient (enough to convince someone you are correct)

R | _WHY_ DOES YOUR EVIDENCE PROVE YOUR CLAIM?
Share your reasoning for linking claim to evidence. Explain why the evidence supports your claim. In other words: how does your evidence prove your point?

Need help writing your "REASONING?"

Follow this path…

Step 1
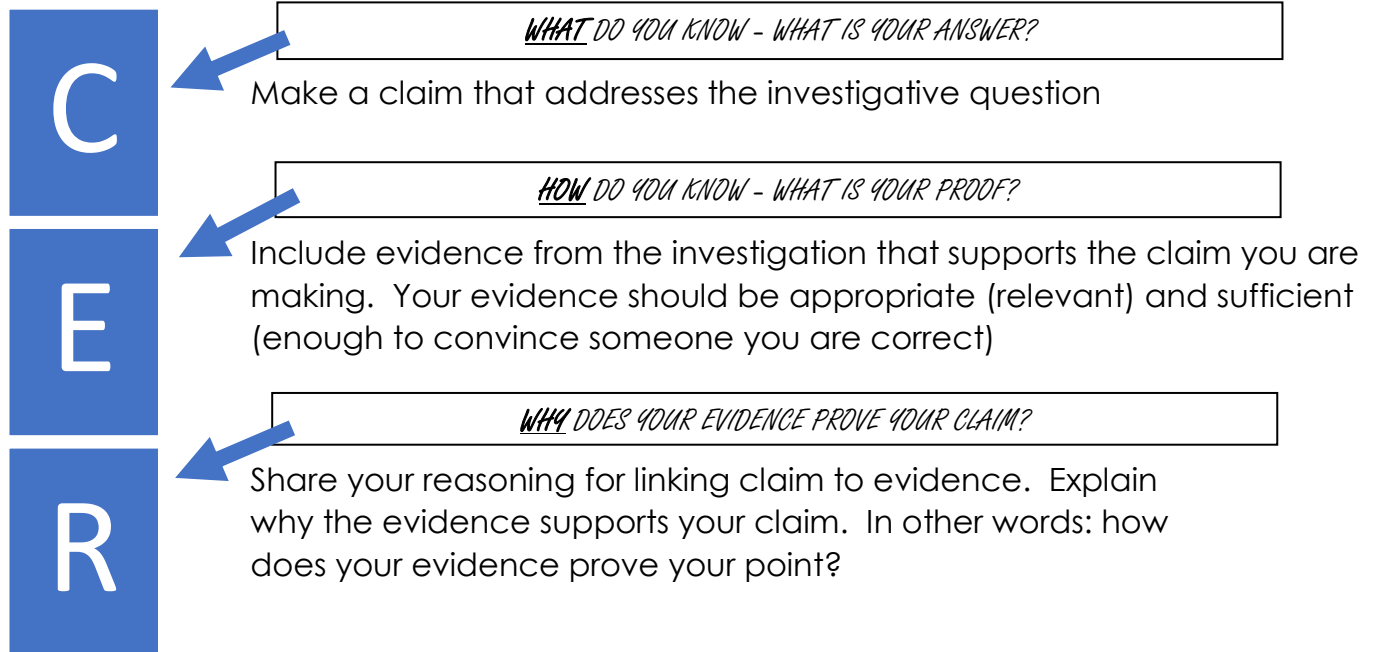- Re-state your claim, using followed by the word "because."

Step 2
- Provide evidence for your **first** reason for the claim.

Step 3
- Provide evidence for your **second** reason for the claim.

Step 4
- Wrap up your reasoning with a conclusion that begins with a word like "therefore," thus," "so," **AND** restate your claim.
- Summarize what designer babies are & your reasons for supporting or not supporting this technology in society.

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