

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-03-24

Name

Period

Date

Lesson

Lesson focus

CER paragraph

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Write a claim-evidence-reasoning paragraph and distinguish correlation from causation in your data. Big idea: A CER paragraph turns a graph into a defensible scientific argument.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- graph
- trend
- outlier
- error
- correlation
- causation

My notes, examples, and questions

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Cornell Notes - Continued

Key words and questions

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Must-know ideas
What should I understand by the end?

- A claim is a specific statement the data supports, not a vague observation.
- Evidence in a CER must come from actual data values, not general impressions.
- Correlation and causation are logically distinct; environmental data almost always shows correlation.

My notes, examples, and questions

Process notes
What happens during class?

- 0-5 min: Warm-up: name one claim your graph clearly supports
- 5-20 min: Draft your claim sentence; identify specific evidence values from the graph
- 20-40 min: Write the reasoning connecting evidence to claim
- 40-55 min: Classify the relationship as correlation or causation with written justification
- 55-70 min: Add one alternative explanation for the observed pattern
- 70-80 min: Peer review: does the CER hold together without looking at the graph?

My notes, examples, and questions

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Steps and evidence What do I do and turn in?

- State a claim your graph supports.
- Cite specific evidence from the data table or graph.
- Explain the reasoning linking evidence to claim.
- Decide whether your data shows correlation or causation and justify it.
- Note one alternative explanation for the pattern.

Evidence: CER - CER paragraph with a specific claim supported by cited graph data, reasoning linking evidence to claim, a correlation/causation classification with justification, and one alternative explanation.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- Your paragraph includes a claim, evidence, and reasoning.
- You correctly labeled the relationship as correlation or causation.

My notes, examples, and questions

Lab or safety notes What must I handle carefully?

No special lab safety notes today. Follow normal classroom and digital-work expectations.

My notes, examples, and questions

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Summary

Today's lesson focused on CER paragraph. The main target was: Write a claim-evidence-reasoning paragraph and distinguish correlation from causation in your data. The evidence of learning is CER: CER paragraph with a specific claim supported by cited graph data, reasoning linking evidence to claim, a correlation/causation classification with justification, and one alternative explanation.. In my own words, the most important idea from today is:

My summary

My final question or connection