

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-03-08

Name

Period

Date

Lesson

Lesson focus

CER mini-report

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Write a CER conclusion that states limitations of your physiology analysis. Big idea: A CER conclusion is not a summary of what you did -- it is a claim about what you found, supported by your own statistical evidence, and limited by honest acknowledgment of what could have gone wrong.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- bias
- limitation
- replication
- statistical significance
- evidence

My notes, examples, and questions

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Cornell Notes - Continued

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

- How to write a CER conclusion that states a claim, cites statistical evidence, and connects them with explicit reasoning.
- How to identify and name at least two limitations of a physiology study without undermining the conclusion.
- Why honest limitations strengthen rather than weaken a scientific report.

My notes, examples, and questions

Process notes
What happens during class?

- 0-10: Review the CER mini-report format: claim, evidence, reasoning, and limitations
- 10-25: Write the claim: answer your research question directly and specifically
- 25-45: Cite statistical evidence: include specific values (mean, SD, t-test result) that support the claim
- 45-60: Write the reasoning: explain how the statistics connect to the claim
- 60-75: List at least two honest limitations and explain why each matters
- 75-80: Submit the Problem 2 analysis mini-report; confirm it is in before Fall Break

My notes, examples, and questions

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Steps and evidence What do I do and turn in?

- State a claim answering your research question.
- Cite your statistical evidence to support the claim.
- Explain your reasoning linking evidence to claim.
- List at least two limitations of your study.
- Submit the Problem 2 analysis mini-report.

Evidence: CER - Problem 2 CER analysis mini-report: specific claim, statistical evidence with values, reasoning, and at least two honest limitations.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- Your mini-report contains a complete CER conclusion.
- You name at least two honest limitations.

My notes, examples, and questions

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Lab or safety notes
What must I handle carefully?

Supplies:

- Lab computers with spreadsheet software
- Saved physiology dataset from prior week
- Graphing or charting tool
- CER conclusion template
- Calculator
- Projector for sharing graphs

My notes, examples, and questions

Summary

Today's lesson focused on CER mini-report. The main target was: Write a CER conclusion that states limitations of your physiology analysis. The evidence of learning is CER: Problem 2 CER analysis mini-report: specific claim, statistical evidence with values, reasoning, and at least two honest limitations.. In my own words, the most important idea from today is:

My summary

My final question or connection