

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-02-02

Name

Period

Date

Lesson

Lesson focus

Research kickoff

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Launch a needs-assessment research investigation by identifying what evidence the ER design problem requires. Big idea: Research starts with knowing what questions you need to answer, not with looking up random facts -- a research log turns a vague topic into a directed investigation.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- credibility
- citation
- prior art
- needs assessment
- source bias

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?

- How to restate a design problem as a set of specific research questions.
- The difference between questions that need quantitative data and questions that need expert or literature sources.
- How a research log creates the accountability trail that supports a credible needs assessment.

My notes, examples, and questions

Process notes
What happens during class?

- 0-10: Restate your ER design problem and identify what you still do not know
- 10-30: Generate research questions: list every question you must answer to design a solution
- 30-50: Classify questions: data-needed versus expert-source-needed
- 50-65: Set up research log: create columns for question, source, finding, and credibility rating
- 65-77: Submit your research questions and log setup
- 77-80: Exit check: which question will be hardest to answer and why?

My notes, examples, and questions

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Key words and questions

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Steps and evidence What do I do and turn in?

- Restate your ER design problem from last week.
- List the questions you must answer to design a solution.
- Identify which questions need data versus expert sources.
- Set up a research log to track sources and findings.
- Submit your research questions and log setup.

Evidence: Tracker entry - Research question list classified by evidence type (data vs. expert source) and a research log set up with the required columns.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You can list specific research questions tied to your problem.
- You can distinguish questions needing data from those needing sources.

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 Research kickoff. The main target was: Launch a needs-assessment research investigation by identifying what evidence the ER design problem requires. The evidence of learning is Tracker entry: Research question list classified by evidence type (data vs. expert source) and a research log set up with the required columns.. In my own words, the most important idea from today is:

My summary

My final question or connection