

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-01-22

Name

Period

Date

Lesson

Lesson focus

First BI evidence entry

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Record a first Biomedical Innovations evidence entry that frames an open problem worth solving. Big idea: Every engineering project starts with a clear, specific problem statement grounded in observed reality.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- innovation
- prototype
- constraint
- criterion
- evidence
- PPE

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 write a one-sentence problem statement that is specific and observable.
- Who stakeholders are and why identifying them matters before designing a solution.
- What a constraint is and how recognizing one early shapes the design.

My notes, examples, and questions

Process notes
What happens during class?

- 0-10: Brainstorm warm-up: independently list three healthcare problems you have personally observed
- 10-25: Problem-statement workshop: pick one problem and draft a specific one-sentence statement
- 25-45: Stakeholder and constraint identification: list who is affected and name one real constraint
- 45-60: Sketch or concept note: add a labeled sketch or idea map to the notebook entry
- 60-75: Submit first evidence entry as a formative check
- 75-80: Gallery share: read one classmate's problem statement and give one piece of feedback

My notes, examples, and questions

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Steps and evidence What do I do and turn in?

- Brainstorm three healthcare problems you have personally observed.
- Pick one and write a one-sentence problem statement.
- List who is affected (stakeholders) and one constraint you already see.
- Add a labeled sketch or concept note to the notebook.
- Submit your first evidence entry as a formative check.

Evidence: Notebook check - First BI evidence entry: dated problem statement, stakeholder list, one constraint, and a labeled sketch or concept note.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You can write a clear, specific problem statement.
- You can name stakeholders and at least one constraint.

My notes, examples, and questions

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Lab or safety notes
What must I handle carefully?

Supplies:

- Safety goggles
- Nitrile gloves
- Lab apron or coat
- Eyewash station
- Chemical waste container
- Printed or digital Safety Data Sheet
- Bound design notebook

My notes, examples, and questions

Summary

Today's lesson focused on First BI evidence entry. The main target was: Record a first Biomedical Innovations evidence entry that frames an open problem worth solving. The evidence of learning is Notebook check: First BI evidence entry: dated problem statement, stakeholder list, one constraint, and a labeled sketch or concept note.. In my own words, the most important idea from today is:

My summary

My final question or connection