

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-04-27

Name

Period

Date

Lesson

Lesson focus

Research ethics debate

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Argue what responsibilities a researcher has when their independent project could affect real people or public safety. Big idea: Independent research carries ethical obligations that mirror professional scientific standards.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- chain of custody
- research question
- methodology
- claim
- evidence
- limitation

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?

- Informed consent is required when research involves human subjects or could affect identifiable people.
- Chain of custody documentation ensures evidence integrity in forensic and independent research.
- Harm prevention is a core obligation: a researcher must anticipate and mitigate foreseeable risks.

My notes, examples, and questions

Process notes
What happens during class?

- 0-5 min: Warm-up: name one research scandal caused by an ethical lapse
- 5-20 min: Read briefing; choose a position on researcher duty and list two grounded reasons
- 20-40 min: Small-group debate tracking consent, integrity, and harm-prevention claims
- 40-55 min: Full-class debrief: what is the one obligation no researcher can skip?
- 55-70 min: Reflection: write the ethical standard you will apply to your own project
- 70-80 min: Exit ticket: one sentence on the consequence of a broken chain of custody

My notes, examples, and questions

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Steps and evidence What do I do and turn in?

- Read the briefing on an independent project with real-world implications.
- Choose a position on how strict the researcher's duties should be.
- List two reasons grounded in consent, honesty, and harm prevention.
- Debate in your group, tracking claims about chain of custody and integrity.
- Reflect on the ethical standard you will hold your own project to.

Evidence: Exit ticket - One sentence on the consequence of a broken chain of custody, plus a written ethical standard statement for your own independent project.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You defended a position on research ethics.
- You connected it to integrity and harm prevention.

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 ethics debate. The main target was: Argue what responsibilities a researcher has when their independent project could affect real people or public safety. The evidence of learning is Exit ticket: One sentence on the consequence of a broken chain of custody, plus a written ethical standard statement for your own independent project.. In my own words, the most important idea from today is:

My summary

My final question or connection