

Cornell Guided Notes

Human Anatomy & Physiology (Human Body Systems) | 2027-04-07

Name

Period

Date

Lesson

Lesson focus

Literature and design analysis

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Students will evaluate their research design against published literature and refine weak points. Big idea: Scientists refine their designs by reading what others have done; ignoring prior work leads to avoidable errors.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- model organism
- C. elegans
- assay
- literature
- variable
- control
- sample size

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?

- Credible scientific sources include peer-reviewed journals, government health databases, and vetted educational institutions.
- Comparing your design to published methods reveals gaps in controls, sample size, or measurement.
- Iterative revision is a normal and necessary part of the scientific process.

My notes, examples, and questions

Process notes
What happens during class?

- 0-10: Mini-lesson: how to evaluate source credibility (CRAAP or similar framework)
- 10-28: Teams locate one credible source; record title, author, and key methods
- 28-45: Compare team methods to the published approach; note similarities and differences
- 45-58: Identify one design strength and one weakness; decide on one revision
- 58-70: Revise the design plan (variables or sample size) and document the change
- 70-80: Write summary of how the literature improved your plan; submit

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Steps and evidence What do I do and turn in?

- Locate one credible source related to your question.
- Compare your methods to the published approach.
- Identify one strength and one weakness in your design.
- Revise your variables or sample size if needed.
- Summarize how the literature improved your plan.

Evidence: Notebook check - Literature comparison summary: one credible source cited, one strength and one weakness of the team design identified, one concrete revision documented.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- Design is compared to at least one credible source.
- Summary names one concrete revision made.

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 Literature and design analysis. The main target was: Students will evaluate their research design against published literature and refine weak points. The evidence of learning is Notebook check: Literature comparison summary: one credible source cited, one strength and one weakness of the team design identified, one concrete revision documented.. In my own words, the most important idea from today is:

My summary

My final question or connection