

# Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-03-10

Name

Period

Date

Lesson

## Lesson focus

Literature review

## Key words and questions

## Prepared details and student notes

**Essential question**  
**What is today's target?**

Build a structured literature review summarizing what existing sources say about your prototype's problem. Big idea: A literature review maps what is already known so a prototype fills a real gap.

**My notes, examples, and questions**

**Key words**  
**What vocabulary unlocks the lesson?**

- literature review
- peer review
- decision matrix
- validation
- metric

**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?**

- Each source in a review needs a citation, a main claim, and evidence supporting that claim.
- Conflicts between sources reveal uncertainty your prototype could help resolve.
- Synthesis means connecting sources to your design goal, not just listing them.

**My notes, examples, and questions**

**Process notes**  
**What happens during class?**

- 0-5 min: Warm-up: what question is your prototype trying to answer?
- 5-20 min: Locate and record three credible sources with citations
- 20-40 min: Fill in main claim and evidence for each source
- 40-55 min: Compare sources: where do they agree or conflict?
- 55-70 min: Write synthesis paragraph connecting sources to your design gap
- 70-80 min: Pair-share: swap reviews and check that each source has a citation and a claim

**My notes, examples, and questions**

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#### Steps and evidence What do I do and turn in?

- Choose three credible sources on your Problem 3 design challenge.
- For each source, record the citation, the main claim, and the supporting evidence.
- Note where sources agree and where they conflict.
- Identify one gap that your prototype could address.
- Write a short synthesis paragraph connecting the three sources to your design goal.

Evidence: CER - Three-source literature review with citations, main claims, conflict notes, and a synthesis paragraph identifying a design gap.

#### My notes, examples, and questions

#### Checks for understanding How do I know I got it?

- You produced a three-source review with citations and main claims.
- You named a gap your prototype addresses.

#### My notes, examples, and questions

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Lab or safety notes  
What must I handle  
carefully?

Supplies:  
- Design notebook  
- Prototype materials or model  
- Decision matrix template  
- Ruler or measuring tool  
- Stopwatch or timer  
- Data recording sheet  
- Calculator

My notes, examples, and questions

## Summary

Today's lesson focused on Literature review. The main target was: Build a structured literature review summarizing what existing sources say about your prototype's problem. The evidence of learning is CER: Three-source literature review with citations, main claims, conflict notes, and a synthesis paragraph identifying a design gap.. In my own words, the most important idea from today is:

My summary

My final question or connection