

# Cornell Guided Notes

Principles of Biomedical Technology (Principles of Biomedical Science) | 2026-09-23

Name

Period

Date

Lesson

## Lesson focus

Synthesize all evidence

## Key words and questions

## Prepared details and student notes

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

Organize scene, lab, suspect, and autopsy evidence and plan the PLTW open-investigation report. Big idea: Weighing evidence means judging both what each stream tells you and how much to trust it, given its known limitations.

**My notes, examples, and questions**

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

- synthesis
- forensic report
- limitation
- reliability
- expert testimony
- conclusion

**My notes, examples, and questions**

# Cornell Guided Notes

Principles of Biomedical Technology (Principles of Biomedical Science) | 2026-09-23

## Cornell Notes - Continued

### Key words and questions

### Prepared details and student notes

**Must-know ideas**  
**What should I understand by the end?**

- The four evidence streams in this case are scene documentation, laboratory tests (biomolecules and toxicology), suspect information, and autopsy/histology findings.
- Evidence reliability is higher when the collection method was controlled, the chain of custody is unbroken, and controls were used.
- A strong investigative report states the conclusion first, then supports it with the strongest evidence and explicitly addresses contradicting findings.

**My notes, examples, and questions**

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

- 0:00: Review the four evidence streams; class brainstorm: which do you trust most and why?
- 0:12: Teacher notes: evidence reliability weighting criteria (controls, chain of custody, method)
- 0:25: Students list all evidence items for each of the four streams from their unit work
- 0:40: myPLTW: complete the open-investigation online planning task
- 1:00: For each stream, identify the one variable or limitation that most weakens it
- 1:10: Planning sheet complete; preview Wednesday evidence-board build

**My notes, examples, and questions**

# Cornell Guided Notes

Principles of Biomedical Technology (Principles of Biomedical Science) | 2026-09-23

## Cornell Notes - Continued

### Key words and questions

### Prepared details and student notes

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

- Take notes on how to weight different evidence types by reliability.
- List the four evidence streams you must integrate in this case.
- Review what a strong investigative report includes and omits.
- Complete the PLTW open-investigation online planning task.
- Identify which variables and limitations weaken each evidence stream.

Evidence: Pre-lab - Evidence planning sheet: a four-column table listing each evidence stream, the specific evidence items you have from that stream, the reliability rating, and the key limitation.

#### My notes, examples, and questions

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

- I can list the evidence streams a conclusion must integrate.
- I can judge evidence reliability for synthesis.

#### 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

# Cornell Guided Notes

Principles of Biomedical Technology (Principles of Biomedical Science) | 2026-09-23

## Cornell Notes - Continued

### Summary

Today's lesson focused on Synthesize all evidence. The main target was: Organize scene, lab, suspect, and autopsy evidence and plan the PLTW open-investigation report. The evidence of learning is Pre-lab: Evidence planning sheet: a four-column table listing each evidence stream, the specific evidence items you have from that stream, the reliability rating, and the key limitation.. In my own words, the most important idea from today is:

**My summary**

**My final question or connection**