

Cornell Guided Notes

Principles of Biomedical Technology (Principles of Biomedical Science) | 2026-11-09

Name

Period

Date

Lesson

Lesson focus

Chain of infection notes

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Students take notes on the chain of infection, pathogens, and the immune response, then complete the PLTW online task. Big idea: Infection transmission follows a predictable six-link chain: break any link and you stop the spread.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- nosocomial
- pathogen
- vector
- reservoir
- transmission
- immune response
- PPE
- aseptic

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?

- The six links of the chain of infection are: infectious agent, reservoir, portal of exit, mode of transmission, portal of entry, susceptible host.
- PPE and aseptic technique each interrupt a specific link in the chain, not the whole chain at once.
- Innate immunity responds immediately; adaptive immunity builds targeted memory over days.

My notes, examples, and questions

Process notes
What happens during class?

- 0-5 min: Warm-up: name one way you have personally prevented spreading an illness.
- 5-30 min: Teacher-led notes: six links of the chain of infection with examples for each.
- 30-45 min: Pathogen classification (bacterial, viral, fungal) and immune response overview.
- 45-55 min: Map PPE and aseptic technique to specific chain links on a diagram.
- 55-75 min: PLTW online activity on hospital-acquired infections (individual, self-paced).
- 75-80 min: Exit check: label all six links on a blank chain diagram from memory.

My notes, examples, and questions

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Cornell Notes - Continued

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Steps and evidence What do I do and turn in?

- Annotate the six links in the chain of infection from reservoir to susceptible host.
- Classify common hospital pathogens as bacterial, viral, or fungal.
- Outline the innate and adaptive immune responses to invading pathogens.
- Connect PPE and aseptic technique to specific links in the chain.
- Complete the assigned PLTW online activity on hospital-acquired infections.

Evidence: Notebook check - Annotated six-link chain of infection diagram with PPE and aseptic technique mapped to specific links, plus a brief innate vs. adaptive immune response outline.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- Label all six links in the chain of infection accurately.
- Submit the PLTW online task fully completed.

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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Cornell Notes - Continued

Summary

Today's lesson focused on Chain of infection notes. The main target was: Students take notes on the chain of infection, pathogens, and the immune response, then complete the PLTW online task. The evidence of learning is Notebook check: Annotated six-link chain of infection diagram with PPE and aseptic technique mapped to specific links, plus a brief innate vs. adaptive immune response outline.. In my own words, the most important idea from today is:

My summary

My final question or connection