

Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2027-01-29

Name

Period

Date

Lesson

Lesson focus

Outbreak CER submission

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Write and submit a complete CER that names the likely pathogen and source for the outbreak case. Big idea: How does a scientist turn a week of evidence into a defensible written conclusion?

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- pathogen
- symptom
- sign
- outbreak
- epidemiology
- reservoir
- vector

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?

- A strong CER draws evidence from multiple sources: clinical signs, pathogen biology, and epidemiological data.
- Reasoning explicitly states why each piece of evidence supports the claim, not just what the evidence is.
- Proposing a confirmatory test shows scientific thinking beyond the current data.

My notes, examples, and questions

Process notes
What happens during class?

- 0-10 min: Review your signs/symptoms chart, pathogen table, and relationship map from the week
- 10-25 min: Draft the Claim: one sentence naming the pathogen type and the likely source
- 25-45 min: List Evidence: at least three pieces drawn from different sources (clinical, biological, epidemiological)
- 45-60 min: Write the Reasoning paragraph: link each evidence point to the claim explicitly
- 60-70 min: Add the confirmatory test sentence; proofread for clarity and completeness
- 70-80 min: Submit CER in the course shell; confirm it shows as turned in

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?

- State your Claim: the pathogen type and the likely source of the outbreak.
- List your Evidence from the signs, symptoms, pathogen table, and relationship map.
- Write the Reasoning that links each piece of evidence to your claim.
- Add one sentence on what additional test would confirm your claim.
- Proofread for clarity, then submit your CER in the PLTW course shell.
- Confirm the submission shows as turned in and note one thing you would investigate next.

Evidence: CER - Full CER identifying the outbreak pathogen type and source, with at least three evidence points, a reasoning paragraph, and a proposed confirmatory test.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You will be able to write a complete CER about an outbreak.
- You will be able to support a claim with organized evidence.
- You will be able to propose a next step to test your conclusion.

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 Outbreak CER submission. The main target was: Write and submit a complete CER that names the likely pathogen and source for the outbreak case. The evidence of learning is CER: Full CER identifying the outbreak pathogen type and source, with at least three evidence points, a reasoning paragraph, and a proposed confirmatory test.. In my own words, the most important idea from today is:

My summary

My final question or connection