Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2026-09-03

Name	Period	Date	Lesson
		2026-09-03	

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

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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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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