

# Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2026-11-06

Name

Period

Date

Lesson

## Lesson focus

Gene therapy ethics CER

## Key words and questions

## Prepared details and student notes

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

Submit a complete gene therapy ethics CER weighing benefit against off-target and heritability risks. Big idea: How do you write a defensible recommendation when the technology that could help also carries risks we cannot fully predict?

**My notes, examples, and questions**

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

- gene therapy
- vector
- CRISPR-Cas9
- somatic
- germline
- off-target
- informed consent

**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 ethics CER names the benefit, the risk, and the reasoning that tips the balance one way.
- Off-target edits and heritability (for germline therapies) are the two primary risk categories in gene therapy ethics.
- This synthesis connects Molecular and Genetic Technology and Biotech Research domains of WebXam 072130.

#### My notes, examples, and questions

#### Process notes

What happens during class?

- 0-15: Assemble evidence: pull two strongest points from vector chart and CRISPR annotation
- 15-50: Write final ethics CER: claim on patient recommendation, two evidences, reasoning naming one risk
- 50-65: Peer review: verify reasoning names a specific risk (off-target or heritability)
- 65-75: Revise based on peer note; finalize
- 75-78: Submit gene therapy ethics CER
- 78-80: Teacher confirms unit complete; preview unit2-synthesis

#### My notes, examples, and questions

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

- Combine your vector chart and CRISPR notes into the evidence for one CER.
- Write your final claim on whether the case patient should receive the gene therapy.
- Support it with two pieces of evidence and reasoning that names one risk.
- Submit your gene therapy ethics CER for the week-end summative.

Evidence: CER - Complete gene therapy ethics CER: claim on whether the case patient should receive therapy, two evidences from vector chart and CRISPR work, reasoning naming one risk.

#### My notes, examples, and questions

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

- You'll be able to write a complete, evidence-based gene therapy CER.
- You'll be able to weigh benefit against off-target and heritability risk.

#### 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 Gene therapy ethics CER. The main target was: Submit a complete gene therapy ethics CER weighing benefit against off-target and heritability risks. The evidence of learning is CER: Complete gene therapy ethics CER: claim on whether the case patient should receive therapy, two evidences from vector chart and CRISPR work, reasoning naming one risk.. In my own words, the most important idea from today is:

**My summary**

**My final question or connection**