

# Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2027-03-05

Name

Period

Date

Lesson

## Lesson focus

Cochlear implant debate

## Key words and questions

## Prepared details and student notes

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

Build and defend a claim-evidence-reasoning position on whether cochlear implants should be standard care for deaf children. Big idea: Should medical technology override a community's definition of what counts as a disability?

**My notes, examples, and questions**

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

- cochlea
- hair cell
- audiogram
- vaccine
- herd immunity
- adaptive immunity

**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 cochlear implant converts sound to electrical signals that stimulate the auditory nerve, bypassing damaged hair cells.
- The Deaf community debate centers on identity and consent, not just clinical outcome.
- A CER requires a falsifiable claim, specific evidence, and reasoning that connects them.

**My notes, examples, and questions**

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

- 0-5: Hook audio demo and framing question
- 5-20: Silent read of cochlear implant case brief; draft two debate questions
- 20-35: CER draft: claim, evidence x2, reasoning
- 35-65: Structured debate: two rounds, affirmative and negative positions
- 65-75: Individual written reflection (what changed your mind?)
- 75-80: Post CER and reflection to course shell; teacher closes

**My notes, examples, and questions**

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

- Open the PLTW course shell and read the cochlear implant case brief before you write anything.
- Write two prepared debate questions that get at the ethics of changing a child's hearing.
- Draft one CER contribution: a claim about cochlear implants, two pieces of evidence, and your reasoning.
- In the live debate, listen for one opposing point and note how it challenges your reasoning.
- Post your CER and a three-sentence reflection on what changed your mind, in the course shell.

Evidence: CER - One CER (claim, two evidences, reasoning) on cochlear implant ethics plus a three-sentence reflection.

#### My notes, examples, and questions

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

- You'll be able to state a defensible claim about cochlear implants backed by evidence.
- You'll be able to respond to an opposing argument without dismissing it.

#### My notes, examples, and questions

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**Lab or safety notes**  
**What must I handle carefully?**

Supplies:

- Sample audiogram charts
- Ear anatomy diagram
- Disease-model dataset or simulation
- Graphing tool or graph paper
- Calculator
- Lab notebook

**My notes, examples, and questions**

### Summary

Today's lesson focused on Cochlear implant debate. The main target was: Build and defend a claim-evidence-reasoning position on whether cochlear implants should be standard care for deaf children. The evidence of learning is CER: One CER (claim, two evidences, reasoning) on cochlear implant ethics plus a three-sentence reflection.. In my own words, the most important idea from today is:

**My summary**

### My final question or connection