

# Cornell Guided Notes

Genetics of Disease (Medical Interventions) | 2026-11-17

Name

Period

Date

Lesson

## Lesson focus

Biopsy and staging

## Key words and questions

## Prepared details and student notes

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

Explain how a biopsy and staging move a suspicious finding toward a treatment decision.  
Big idea: Accurate staging is the pivot point between detection and treatment planning.

**My notes, examples, and questions**

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

- biopsy
- staging
- chemotherapy
- radiation
- targeted therapy
- apoptosis
- side effect

**My notes, examples, and questions**

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## Cornell Notes - Continued

### Key words and questions

### Prepared details and student notes

**Must-know ideas**  
**What should I understand by the end?**

- A biopsy removes tissue so pathologists can confirm malignancy and tumor type.
- Staging uses tumor size, lymph-node involvement, and metastasis to set a Roman-numeral stage.
- Higher stage generally requires more aggressive or systemic treatment.

**My notes, examples, and questions**

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

- 0-10: Read diagnostic-workflow notes; define biopsy and staging in own words
- 10-25: Read sample pathology report; underline tumor size and spread data
- 25-45: Stage two example cases using the stage table; compare with a partner
- 45-60: Write the stage-to-treatment connection sentence
- 60-72: Build diagnostic-workflow ticket (ordered steps list)
- 72-80: Submit ticket; preview Wednesday chemo/radiation comparison

**My notes, examples, and questions**

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

- Open the diagnostic-workflow notes in the PLTW course shell and define biopsy and staging in your own words.
- Read the sample pathology report and underline the tumor size and whether spread was found.
- Use the provided stage table to assign a stage to two example cases.
- Write one sentence on why a higher stage usually changes the treatment plan.
- Submit a diagnostic-workflow ticket listing the steps from biopsy to assigned stage.

Evidence: Exit ticket - Diagnostic-workflow ticket: ordered steps from biopsy through assigned stage, plus your stage-to-treatment sentence.

#### My notes, examples, and questions

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

- You'll be able to describe what a biopsy reveals and how staging is decided.
- You'll be able to connect stage to a change in treatment approach.

#### 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 Biopsy and staging. The main target was: Explain how a biopsy and staging move a suspicious finding toward a treatment decision. The evidence of learning is Exit ticket: Diagnostic-workflow ticket: ordered steps from biopsy through assigned stage, plus your stage-to-treatment sentence.. In my own words, the most important idea from today is:

**My summary**

**My final question or connection**