

Cornell Guided Notes

Human Anatomy & Physiology (Human Body Systems) | 2027-01-27

Name

Period

Date

Lesson

Lesson focus

Body planes and cavities

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Identify the body planes and major cavities and the organs each contains. Big idea: Imaging and surgical navigation depend on precise knowledge of body planes and cavity boundaries.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- sagittal
- frontal
- transverse
- cavity
- tissue
- epithelial
- connective
- cartilage

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?

- The three anatomical planes: sagittal (left/right), frontal/coronal (front/back), and transverse (top/bottom).
- The dorsal cavity contains the cranial and spinal cavities; the ventral cavity contains the thoracic and abdominopelvic cavities.
- Radiologists and surgeons use plane and cavity language in every report to locate pathology without ambiguity.

My notes, examples, and questions

Process notes
What happens during class?

- 0-8: Intro: connect planes to real imaging (CT/MRI examples)
- 8-25: Notes: three planes and dorsal/ventral cavity subdivisions
- 25-45: PLTW online task: match organs to cavities
- 45-62: Label planes-and-cavities diagram with organ examples
- 62-75: Partner check: quiz each other on plane and cavity names
- 75-80: Submit diagram; preview Wednesday tissue types

My notes, examples, and questions

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Steps and evidence What do I do and turn in?

- Read the notes on the sagittal, frontal (coronal), and transverse planes.
- Label the dorsal and ventral cavities and their subdivisions on a diagram.
- Complete the PLTW online task matching organs to their cavities.
- List which plane you would use to separate left from right, front from back, and top from bottom.
- Submit your labeled planes-and-cavities diagram.

Evidence: Notebook check - Labeled body-planes and body-cavities diagram with at least one organ placed in each major cavity.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- You can name the plane that produces a given body section.
- You can place a major organ in its correct cavity.

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 Body planes and cavities. The main target was: Identify the body planes and major cavities and the organs each contains. The evidence of learning is Notebook check: Labeled body-planes and body-cavities diagram with at least one organ placed in each major cavity.. In my own words, the most important idea from today is:

My summary

My final question or connection