Cornell Guided Notes

Human Anatomy & Physiology (Human Body Systems) | 2026-08-25

Name	Period	Date	Lesson
		2026-08-25	

Lesson focus

Anatomy vs physiology, homeostasis

Key words and questions	Prepared details and student notes

Essential question
What is today's target?

Distinguish anatomy from physiology and explain homeostasis using a feedback example.
Big idea: The body maintains a stable internal environment through continuous negative-feedback loops.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- anatomy
- physiology
- homeostasis
- anterior
- posterior
- proximal
- distal
- superior
- inferior

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?**	- Anatomy describes structure; physiology describes function. Both are required to understand disease (pathophysiology). - Homeostasis is the maintenance of a stable internal environment; negative feedback is the primary mechanism. - The feedback loop components are: stimulus, receptor/sensor, control center, effector, and response. **My notes, examples, and questions**
Process notes **What happens during class?**	- 0-8: Intro: anatomy vs physiology sorting activity (10 statement cards) - 8-25: Notes: homeostasis definition and negative-feedback loop components - 25-45: PLTW online task: homeostasis and levels of organization - 45-60: Sketch thermoregulation feedback loop in notebook - 60-75: Peer-check labels against reference, revise - 75-80: Submit diagram; exit preview of Wednesday safety day **My notes, examples, and questions**

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Steps and evidence **What do I do and turn in?**	- Read the teacher background notes on anatomy (structure) versus physiology (function). - Define homeostasis and label the parts of a negative-feedback loop: stimulus, sensor, control, effector. - Work the PLTW online task introducing homeostasis and the levels of organization. - Sketch how body temperature is corrected when you get too hot. - Submit your homeostasis loop diagram with each part labeled. Evidence: Notebook check - Labeled negative-feedback loop diagram for thermoregulation with all four components identified. **My notes, examples, and questions**
Checks for understanding **How do I know I got it?**	- You can tell whether a statement describes anatomy or physiology. - You can label every stage of a negative-feedback loop. **My notes, examples, and questions**

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Cornell Notes - Continued

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Lab or safety notes **What must I handle carefully?**	Supplies: - Safety goggles - Nitrile gloves - Lab apron or coat - Eyewash station - Printed or digital Safety Data Sheet - Bound lab notebook - Metric ruler or tape measure **My notes, examples, and questions**

Summary

Today's lesson focused on Anatomy vs physiology, homeostasis. The main target was: Distinguish anatomy from physiology and explain homeostasis using a feedback example. The evidence of learning is Notebook check: Labeled negative-feedback loop diagram for thermoregulation with all four components identified.. In my own words, the most important idea from today is:

My summary

My final question or connection