# Cornell Guided Notes

Human Anatomy & Physiology (Human Body Systems) | 2027-01-20

| Name | Period | Date | Lesson |
|---|---|---|---|
| | | 2027-01-20 | |

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

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## Cornell Notes - Continued

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

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| **Lab or safety notes**<br>**What must I handle carefully?** | Supplies:<br>- Safety goggles<br>- Nitrile gloves<br>- Lab apron or coat<br>- Eyewash station<br>- Printed or digital Safety Data Sheet<br>- Bound lab notebook<br>- Metric ruler or tape measure<br><br>**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