

Cornell Guided Notes

Human Anatomy & Physiology (Human Body Systems) | 2027-05-03

Name

Period

Date

Lesson

Lesson focus

Innate and adaptive immunity

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Students will distinguish innate from adaptive immunity using teacher notes and the PLTW online task. Big idea: The immune system has two layers: a rapid, non-specific innate response and a slower, highly specific adaptive response that creates lasting memory.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- skin
- lymph
- antibody
- antigen
- pathogen
- vaccine
- innate
- adaptive

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?

- Innate immunity includes physical barriers (skin, mucus) and non-specific cellular responses (phagocytosis, inflammation).
- Adaptive immunity involves lymphocytes (B and T cells) that recognize specific antigens and create memory for faster future responses.
- Antibodies are Y-shaped proteins produced by B cells that bind specific antigens to neutralize or tag pathogens.

My notes, examples, and questions

Process notes

What happens during class?

- 0-10: Warm-up: what happens in the first 4 hours after a pathogen enters the body?
- 10-28: Guided notes: innate barriers, phagocytosis, inflammation vs. adaptive lymphocyte response
- 28-45: PLTW online immune-response activity
- 45-58: Map lymphatic system on body diagram; label key nodes and vessels
- 58-70: Write one question about immune memory; pair-answer
- 70-80: Submit diagram and PLTW completion confirmation

My notes, examples, and questions

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Steps and evidence
What do I do and turn in?

- Take notes on innate barriers and adaptive responses.
- Define antigen, antibody, and lymphocyte.
- Complete the PLTW online immune-response activity.
- Map the lymphatic system on a body diagram.
- Write one question about immune memory.

Evidence: Vocabulary task - Lymphatic system body diagram with key nodes and vessels labeled, plus written definitions of antigen, antibody, and lymphocyte in your own words.

My notes, examples, and questions

Checks for understanding
How do I know I got it?

- Innate and adaptive responses are correctly distinguished.
- PLTW online task is submitted complete.

My notes, examples, and questions

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Lab or safety notes
What must I handle carefully?

Supplies:

- Immune-system modeling kit or labeled cutouts
- Antigen and antibody shape cards
- Skin and lymphatic system diagrams
- Colored markers
- Chart paper
- Lab notebook

My notes, examples, and questions

Summary

Today's lesson focused on Innate and adaptive immunity. The main target was: Students will distinguish innate from adaptive immunity using teacher notes and the PLTW online task. The evidence of learning is Vocabulary task: Lymphatic system body diagram with key nodes and vessels labeled, plus written definitions of antigen, antibody, and lymphocyte in your own words.. In my own words, the most important idea from today is:

My summary

My final question or connection