Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-02-11

Name	Period	Date	Lesson
		2027-02-11	

Lesson focus

Process flowchart

Key words and questions	Prepared details and student notes

Essential question
What is today's target?

Create a process flowchart that maps patient movement through your prototyped ER, applying human-factors principles. Big idea: A flowchart is a verification tool: it lets you check whether the physical layout you designed actually works for the people who must move through it.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- design brief
- floor plan
- process flow
- staffing
- human factors

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?**	- The standard flowchart symbols for process steps, decisions, and terminal points. - What a human-factors principle is and how applying one to a flow reduces error or confusion. - How to verify that a patient-flow flowchart matches the corresponding floor plan. **My notes, examples, and questions**
Process notes **What happens during class?**	- 0-10: Review standard flowchart symbols: process, decision, start/end, and connector - 10-25: List every patient-facing decision point in your ER layout - 25-50: Draw the flowchart using correct symbols, tracing the full patient path - 50-65: Apply one human-factors principle: annotate where you changed a step to reduce error or confusion - 65-75: Verify the flowchart matches your floor plan; fix any mismatches - 75-80: Submit the process flowchart **My notes, examples, and questions**

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Cornell Notes - Continued

Key words and questions	Prepared details and student notes
Steps and evidence **What do I do and turn in?**	- List the decision points a patient encounters in your design. - Draw the flowchart with standard symbols for steps and decisions. - Apply one human-factors principle to reduce error or confusion. - Verify the flow matches your floor plan. - Submit the process flowchart. Evidence: Lab report - Patient-flow process flowchart using standard symbols, annotated with one human-factors principle, and verified against the Wednesday floor plan. **My notes, examples, and questions**
Checks for understanding **How do I know I got it?**	- Your flowchart uses correct symbols and matches the floor plan. - You applied at least one human-factors principle. **My notes, examples, and questions**

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Cornell Notes - Continued

Key words and questions

Lab or safety notes
What must I handle carefully?

Prepared details and student notes

Supplies:
- Lab computers with CAD or floor-plan software
- Graph paper for hand sketches
- Ruler and pencil
- Printout of design brief
- Patient-flow diagram from prior week
- Shared project folder for exports

My notes, examples, and questions

Summary

Today's lesson focused on Process flowchart. The main target was: Create a process flowchart that maps patient movement through your prototyped ER, applying human-factors principles. The evidence of learning is Lab report: Patient-flow process flowchart using standard symbols, annotated with one human-factors principle, and verified against the Wednesday floor plan.. In my own words, the most important idea from today is:

My summary

My final question or connection