

Cornell Guided Notes

Principles of Biomedical Technology (Principles of Biomedical Science) | 2026-12-04

Name

Period

Date

Lesson

Lesson focus

Surge and usability notes

Key words and questions

Prepared details and student notes

Essential question
What is today's target?

Students take notes on medical surge, mobile response facilities, and usability principles for public-health apps, then complete the PLTW online task. Big idea: Public health communication fails when the message is accurate but the delivery is unusable: good information in a bad interface does not reach people in a surge.

My notes, examples, and questions

Key words
What vocabulary unlocks the lesson?

- surge capacity
- mobile care
- public health
- surveillance
- communication
- usability

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?

- Mobile surge facilities require usability planning just as apps do: the target user's needs drive every design choice.
- Core usability principles include learnability, efficiency, error tolerance, and satisfaction.
- User trust in a public-health app depends on clear language, reliable updates, and minimal cognitive load.

My notes, examples, and questions

Process notes
What happens during class?

- 0-5 min: Warm-up: name one app you use in an emergency and one thing that makes it fast to use.
- 5-28 min: Teacher-led notes: medical-surge planning, mobile facility types, and deployment criteria.
- 28-45 min: Notes: usability principles (learnability, efficiency, error tolerance, satisfaction) with health-app examples.
- 45-55 min: Connect communication clarity to user trust; sketch how user needs produce a feature list.
- 55-75 min: PLTW online activity on surge response and design (individual, self-paced).
- 75-80 min: Exit check: name three usability principles and one health-app example for each.

My notes, examples, and questions

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Cornell Notes - Continued

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Steps and evidence What do I do and turn in?

- Annotate notes on medical-surge planning and mobile facility design.
- List the core usability principles for a public-facing health app.
- Connect clear public-health communication to user trust and uptake.
- Sketch how user needs drive an app feature list.
- Complete the assigned PLTW online activity on surge response and design.

Evidence: Notebook check - Annotated notes listing three usability principles with health-app examples, a sketch connecting user needs to a feature list, and one trust-building communication strategy.

My notes, examples, and questions

Checks for understanding How do I know I got it?

- Name three usability principles relevant to a health app.
- Submit the PLTW online task fully completed.

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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Cornell Notes - Continued

Summary

Today's lesson focused on Surge and usability notes. The main target was: Students take notes on medical surge, mobile response facilities, and usability principles for public-health apps, then complete the PLTW online task. The evidence of learning is Notebook check: Annotated notes listing three usability principles with health-app examples, a sketch connecting user needs to a feature list, and one trust-building communication strategy.. In my own words, the most important idea from today is:

My summary

My final question or connection