

Guided Notes

The nine ideas from Thursday's circuit that are on next week's exam. Fill the blanks as we go.

DATE Thursday, September 17, 2026	USE Study from this	EXAM Next week
COPY Student	IDEAS 9	COURSE Medical Interventions

YOUR CHARGE TODAY

If you can explain all nine out loud without the page, you are ready for the exam.

YOU TURN IN

- Every blank filled.
- Your own example in the last box of each idea.

Time: Filled in during class.

GREEN RULE You write here. Nothing else on the page is yours to fill in.	GOLD GROUND Given to you. Do not re-derive it. Controls and reference values live here.	GREY GROUND Instructions from Mr. Mendoza. Read before you start the step.	RED GROUND Safety. Read it before you touch any material.
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SEC 01 A control group

READ THIS

Idea 1 of 9. Expect this on the exam.

A control group is _____.

If the stain control fails, the patient slide means nothing, no matter how clear it looks.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 02 Serial dilution

READ THIS

Idea 2 of 9. Expect this on the exam.

Serial dilution is _____.

Five steps takes a stock solution to one hundred thousandth of its concentration.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 03 A standard curve

READ THIS

Idea 3 of 9. Expect this on the exam.

A standard curve is _____.

Tomorrow's ELISA wells are read against the curve you built today.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 04 Gram positive

READ THIS

Idea 4 of 9. Expect this on the exam.

Gram positive is _____.

Gram negative cells lose it and take the pink counterstain instead.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 05 The 16S rRNA gene

READ THIS

Idea 5 of 9. Expect this on the exam.

The 16S rRNA gene is _____.

That is exactly what makes it useful for naming a bacterium from DNA.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 06 Percent identity

READ THIS

Idea 6 of 9. Expect this on the exam.

Percent identity is _____.

High identity on a tiny piece of your read is not a strong match.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 07 Query cover

READ THIS

Idea 7 of 9. Expect this on the exam.

Query cover is _____.

Read it together with identity, never on its own.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 08 E value

READ THIS

Idea 8 of 9. Expect this on the exam.

E value is _____.

Smaller is stronger. 0.0 means too small to display.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 09 An epidemic curve

READ THIS

Idea 9 of 9. Expect this on the exam.

An epidemic curve is _____.

One sharp peak points to one shared exposure. Several peaks point to person to person spread.

YOU COMPLETE THIS

Your own example, from today, in one sentence:
