

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	PAGES 3	CASE JH-26-0831-B

YOUR CHARGE TODAY

These nine ideas are the ones a question can be built from. 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 written in the last box of each idea.

Time: Filled in during class, studied from at home.

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. This is one of the nine. Expect to see it on the exam.

A control group is _____.

If the control fails, every other result in that run is void.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 02 The independent variable

READ THIS

Idea 2 of 9. This is one of the nine. Expect to see it on the exam.

The independent variable is _____.

In the bloodstain control set, it was the angle we dropped from.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 03 The dependent variable

READ THIS

Idea 3 of 9. This is one of the nine. Expect to see it on the exam.

The dependent variable is _____.

In the bloodstain control set, it was the shape of the stain.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 04 The ridge pattern

READ THIS

Idea 4 of 9. This is one of the nine. Expect to see it on the exam.

The ridge pattern is _____.

Naming it narrows a crowd. It can never name one person.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 05 Minutiae

READ THIS

Idea 5 of 9. This is one of the nine. Expect to see it on the exam.

Minutiae is _____.

Their positions relative to each other are what identify one finger.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 06 Serial dilution

READ THIS

Idea 6 of 9. This is one of the nine. Expect to see it on the exam.

Serial dilution is _____.

It is how you find the weakest thing a test can still detect.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 07 Detection limit

READ THIS

Idea 7 of 9. This is one of the nine. Expect to see it on the exam.

Detection limit is _____.

Below it, a negative result tells you nothing at all.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 08 A standard curve

READ THIS

Idea 8 of 9. This is one of the nine. Expect to see it on the exam.

A standard curve is _____.

On a gel, the ladder builds it and every unknown band is read off it.

YOU COMPLETE THIS

Your own example, from today, in one sentence:

SEC 09 Angle of impact

READ THIS

Idea 9 of 9. This is one of the nine. Expect to see it on the exam.

Angle of impact is _____.

A round stain fell straight down. A long stain arrived shallow.

YOU COMPLETE THIS

Your own example, from today, in one sentence:
