

Question 1

Not yet answered

Marked out of 3.0

Flag question

Which of the following statements is not correct ?

- All waste must be disposed off in special containers, and the people in charge will collect it after the experiment.
- You can't remove shared chemicals from their original location and keep them on your bench until you finish your experiment.
- You can't drink water in the lab even if it's from a closed small bottle.
- If you break a thermometer that contains mercury you should clean it up with a towel and put it in the waste container.
- Every chemical in the lab must be treated as "hazardous".

Clear my choice

Quiz

1

10

Finish

Time

Which one of the following statements is correct with respect to Lab Techniques?



- Small beakers can't be used to precisely measure 20 mL of 1.0 M NaOH solution.
- To properly light a Bunsen burner, open the gas control valve slightly; then open the air control and bring a lighted match to the top of the burner; then adjust the flame properly.
- It's allowed to weigh a hot crucible on the balance.
- Small Erlenmeyer flasks can be used to precisely measure 30 mL of 0.5 M NaOH solution.
- Burets can't be used to precisely measure 40 mL of 0.1 M NaOH solution.

[Clear my choice](#)

Question 5

Not yet answered

Marked out of 3.0

Flag question

Which of the following statements is not correct ?

- If air bubbles were adhered to metal pellets in the cylinder during density determination, the actual value of density will be higher than the experimental.
- The density of 1.0 g of mercury is the same as the density of 2.0 g of mercury, which means it is an intensive property.
- The mass of a liquid with a density of 1.2 g/mL and a volume of 12 mL is 10. g.
- The density of silver is 10.5 g/cm³ and the density of gold is 19.3 g/cm³. If equal masses of silver and gold were transferred to equal volumes of water in graduated cylinders, the level of water in the cylinder that contained gold will be lower.
- Specific gravity is defined as the ratio of density of material to the density of water.

Clear my choice

The balance in the attached picture was used to accurately measure the weight of a 0.15-gram piece of metal. The correct weight is:



- 0.1500 ± 0.001
- 0.150 ± 0.0001
- 0.150 ± 0.0005
- 0.1500 ± 0.00005
- 0.1500 ± 0.0001

Clear my choice

EXPERIMENTAL GENERAL CHEMISTRY / مع الشعب

Which of the following can be used to precisely measure the volume of a liquid ?



A burette

A watch glass

An Erlenmeyer flask

A beaker

A funnel

[Clear my choice](#)

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Which of the following statements is not correct ?

The density of silver is 10.5 g/cm^3 and the density of gold is 19.3 g/cm^3 . If equal masses of silver and gold were transferred to equal volumes of water in graduated cylinders, the level of water in the cylinder that contained silver will be higher.

The density of 1.0 g of mercury is the same as the density of 2.0 g of mercury, which means it is an extensive property.

The mass of a liquid with a density of 0.83 g/mL and a volume of 12 mL is $10. \text{ g}$.

If air bubbles were adhered to metal pellets in the cylinder during density determination, the actual value of density will be higher than the experimental.

Specific gravity is defined as the

Question 1

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Which one of the following statements is not correct with respect to safety rules in the lab ?

- Safety glasses (or goggles) must always be worn in the lab even if you are not handling dangerous chemicals.
- It's not forbidden to smell chemicals carefully if your laboratory instructor told you to do so.
- It's forbidden to remove shared chemicals from their original location and keep them on your bench.
- It's forbidden to eat food, drink water, or chew gum in the lab.
- It's not forbidden to keep long hair untied if it's nice and clean.



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Which of the following statements is not correct ?

All waste must be disposed off in special containers, and the people in charge will collect it after the experiment.

If you break a thermometer that contains mercury you shouldn't clean it up with a towel and put it in the waste container.

You can drink water in the lab if it's from a closed small bottle.

You can't remove shared chemicals from their original location and keep them on your bench until you finish your experiment.

Every chemical in the lab must be treated as "hazardous".

In the diagram shown of a buret, the correct volume reading of the liquid is:

26.20 ± 0.05 mL

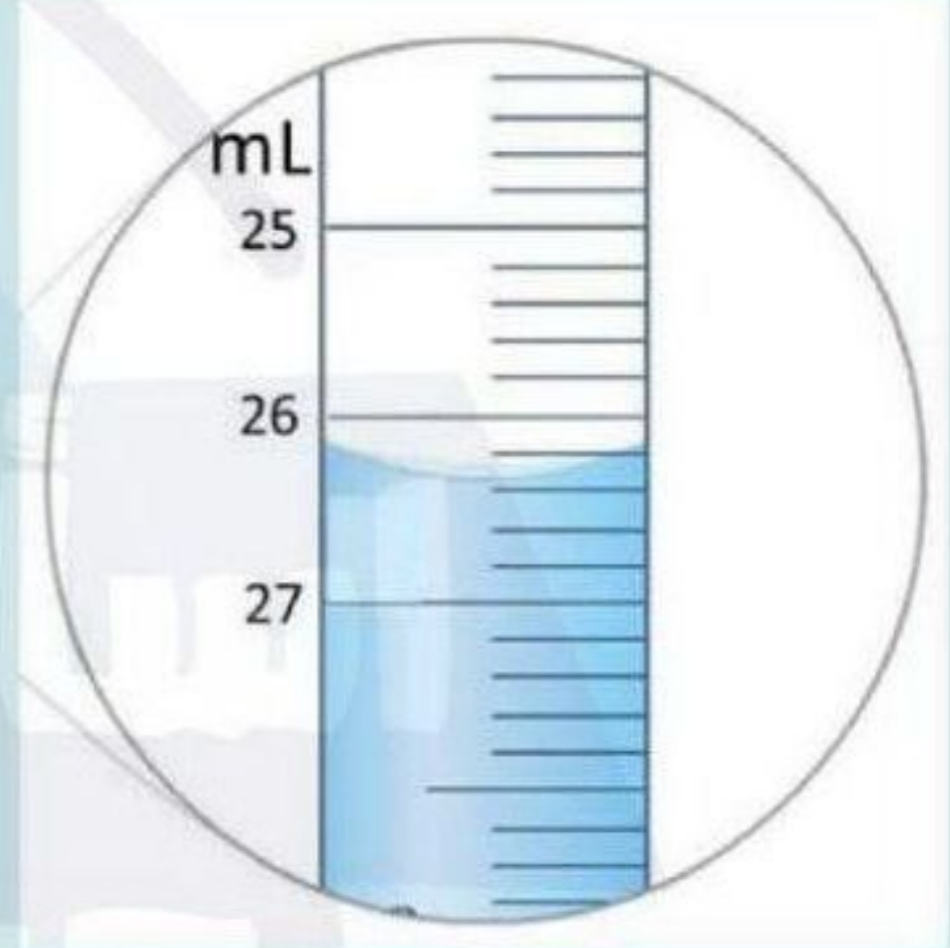
26.4 ± 0.1 mL

26.2 ± 0.1 mL

27.60 ± 0.05 mL

26.40 ± 0.05 mL

Clear my choice



The uncertainty == $\frac{1}{2}$ the smallest increment (0.2 ml)

Which one of the following statements is not correct with respect to safety rules in the lab?

- Students should dispose off all waste in an appropriate manner and never put solids in the sink.
- It's not forbidden to directly draw chemicals from the stock bottles.
- Students should notify the lab instructor if they break a mercury thermometer.
- It's forbidden to bring visitors in the lab.
- It's forbidden to wear loose clothing inside the lab unless they are confined.

[Clear my choice](#)