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Educational Assessment And Examinations Service

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Create new account

Cookies notice

?

New account

Username 

The password must have at least 8 characters, at least 1 digit(s), at least 1 lower case letter(s), at least 1 upper case letter(s), at least 1 special character(s) such as *, -, or #

Password 

Email address 

Email (again) 

First name 

Last name 

City/town

Country

Security question 

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reCAPTCHA
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Create my new account

Cancel

 Required



[Preferences](#) / [Change password](#)**Student Two**  Message

You must change your password to proceed.



Change password

Username

student2

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Current password



New password



New password (again)

[Save changes](#) Required

Hi, Student! 🙌

Timeline

Next 7 days ▾

Sort by dates ▾

Search by activity type or name



No activities require action

Calendar

All courses ⇅

New event

← March

April 2024

May →

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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Available courses

Chemistry

Teacher: [Admin EAES](#)

Biology

Teacher: [Admin EAES](#)

Geography

Teacher: [Admin EAES](#)

Histroy

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Teacher: [Admin EAES](#)

SAT

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My courses

Course overview

All ▾

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Sort by course name ▾

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 Biology Natural Science ⋮	 Chemistry Natural Science ⋮	 English Common 0% complete ⋮
 Geography Social Science ⋮	 Histroy Social Science ⋮	 SAT Common ⋮

 General

Biology exam

Biology

Course Participants Grades Competencies

 General

Collapse all

 Biology exam

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General

Biology exam

Bio003 / Biology exam

Biology exam

EDUCATIONAL ASSESSMENT AND EXAMINATIONS SERVICE (EAES)
ETHIOPIAN SECONDARY SCHOOL LEAVING CERTIFICATE
EXAMINATION (ESSLCE)
HAMLIE, 2015 E.C JULY 2023 G.C

Attempt quiz

Time limit: 2 hours

Grading method: Highest grade

×

⋮

General

Biology exam

Bio003 / Biology exam



Biology exam

Start attempt



Time limit

Your attempt will have a time limit of 2 hours. When you start, the timer will begin to count down and cannot be paused. You must finish your attempt before it expires. Are you sure you wish to start now?

Start attempt

Cancel



General

Biology exam

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Biology exam

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Question 1

Not yet answered

Marked out of 1.00

[Flag question](#)

A cross between pea plants having heterozygous genotype (Rr) has been made. Which of the following is correct about the offspring according to the Mendelian inheritance? The genotypic probability of getting

- ☐ a. RR is 50%.
- ☐ b. Rr is 75%.
- ☐ c. rr is 25%.
- ☐ d. Rr is 25%.

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Time left 1:59:47

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Finish attempt ...

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General

Biology exam

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Question 2

Not yet answered

Marked out of 1.00

Flag question

A grade nine student has planned to study animal cells using a compound light microscope. She prepared a slide of stained human cheek cells for this purpose. Which one of the following activities should she first do?

- ☐ a. Adjust the iris diaphragm until the maximum brightness is coming.
- ☐ b. Looking through the eyepiece lens to move the objectives down.
- ☐ c. Using coarse focusing knob to rotate the nosepiece for a higher magnification lens.
- ☐ d. Set up the microscope with the lowest power objective in place.

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Show hide quiz navigation

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Biology exam

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Biology exam

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Question 4

Not yet answered

Marked out of 1.00

Flag question

A student measured the diameter of onion epidermal cells at a magnification of 100X using a field of view adjusted to 2mm by stage micrometer. What would be the diameter of individual cells if 8 cells fit into the field of view of the microscope at 100X magnification?

☐ a. 150µm

☒ b. 250µm

☐ c. 200µm

☐ d. 300µm

Clear my choice

Choose the answer

Clearing Answer

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Finish attempt ...

✕

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General

Chemistry

Chemistry / Chemistry



Chemistry

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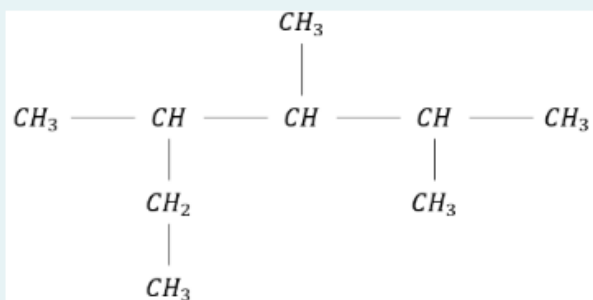
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Question 18

Not yet
answeredMarked out of
1.00

Flag question

The IUPAC name of the compound with the following structure is:



- ☐ a. 2, 3, 4-Trimethylhexane
- ☐ b. 3, 4, 5-Trimethylhexane
- ☐ c. 2-Ethyl-3, 4-dimethylpentane
- ☐ d. 4-Ethyl-2, 3-dimethylpentane

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General

Chemistry

Chemistry / Chemistry



Chemistry

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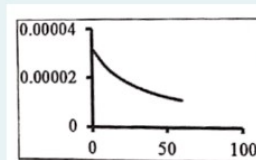
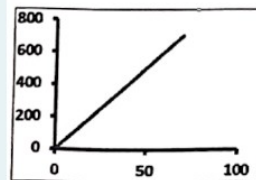
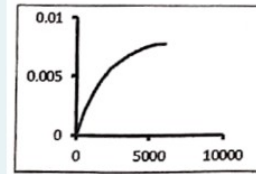
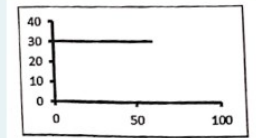
Question 44

Not yet answered

Marked out of 1.00

Flag question

Which one of the following graphs illustrates the rate change in terms of change in reactant concentration with time?

☐ a.☐ b.☐ c.☐ d.

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Chemistry

Chemistry / Chemistry



Chemistry

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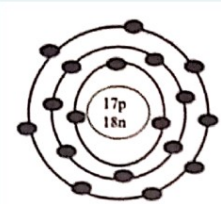
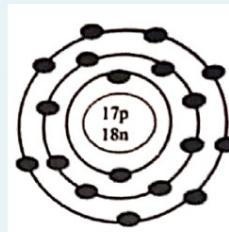
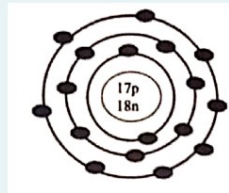
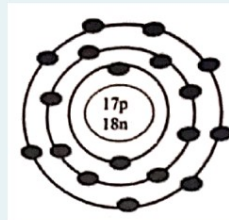
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Question 52

Not yet answered

Marked out of 1.00

Flag question

Which one of the following is the diagrammatic representation of ^{1735}Cl ?☐ a.☐ b.☐ c.☐ d.

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Physics

Physics / Physics



Physics

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Question 21

Not yet answered

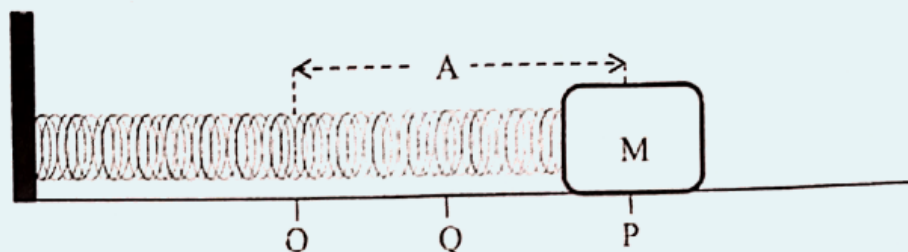
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[Flag question](#)

Time left 2:58:59

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An object of mass M is attached to a spring of spring constant K , as shown in the figure below.



If the mass is pulled to a point P, which is at distance A from equilibrium position O, and released, Which one of the following statements is correct about energy of the system? (assume the surface is frictionless)

- ☐ a. At point P, the mass attain its maximum velocity.
- ☐ b. At point Q the system has both kinetic energy and potential energy.
- ☐ c. At point O, the system has both kinetic and potential energy.
- ☐ d. At point P, the system has both kinetic energy and potential energy.

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[Finish attempt ...](#)

x

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General

Physics

Physics / Physics



Physics

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Question 24

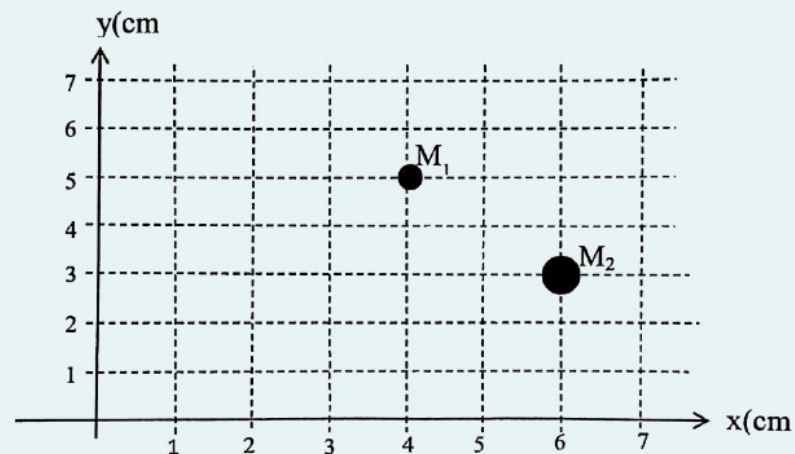
Not yet
answeredMarked out of
1.00

Flag question

Time left 2:58:27

Hide

Consider a system of two point masses M_1 and M_2 , with $M_1 = 0.5 M_2$. The two masses are located on the x-y plane as shown in the figure below.



Which one of the following alternatives indicates the position of center of mass of the system?

- ☐ a. (5,4) cm" > (5,4) cm
- ☐ b. (113,163)cm" > (113,163)cm
- ☐ c. (53,73)cm" > (53,73)cm
- ☐ d. (163,113)cm" > (163,113)cm

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Finish attempt ...

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General

Physics

Physics / Physics



Physics

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Question 27

Not yet answered

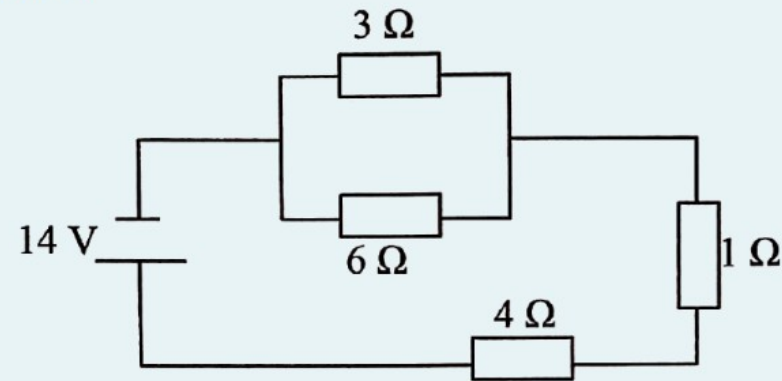
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Flag question

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Four resistors are connected to a voltage source as shown in the circuit phoos diagram shown below



What are the current through the $3\ \Omega$ resistor and the voltage drop across the $4\ \Omega$ resistor, respectively?

- ☐ a. 2 A and $\frac{3}{4}\text{ V}$
- ☐ b. $\frac{3}{4}\text{ A}$ and 8 V
- ☐ c. $\frac{4}{3}\text{ A}$ and 8 V
- ☐ d. $\frac{3}{5}\text{ A}$ and 4 V

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Finish attempt ...

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Question 18

Not yet answered

Marked out of 1.00

Remove flag

In animal cells, glycogen is hydrolyzed quickly to release glucose for respiration. This is due to the presence of several

☐ a.

 microfibrils in its side chain.

☒ b.

 α -1,6-glycosidic bonds.

☐ c.

 enzymes that hydrolyse it easily.

☐ d.

 β -1,4-glycosidic bonds.

Clear my choice

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Finish attempt ...

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General

SAT

SAT001 / SAT

✓

SAT

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Information

Flag question

Informations
/Directions

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Antonyms (1-3)

Directions: Questions 1-3 consist of words printed in capital letters followed by four words. Choose the word that is **most nearly opposite** in meaning to the word in capital letters. Then **blacken** the letter of your choice on the separate answer sheet provided.

Quiz navigation

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Finish attempt ...

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Question 21

Not yet answered

Marked out of 1.00

Flag question

- In the CAM photosynthetic pathway,
- ☐ a. ATP and NADPH are produced during the night.
 - ☐ b. glucose is synthesized in the bundle sheath cell during night.
 - ☐ c. malate is stored in the mesophyll cells during the day.
 - ☐ d. the C4 stage and the Calvin cycle are separated in time.

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Finish attempt ...

Bio003 / Biology exam



Biology exam

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EXAMINATION (ESSLCE)
HAMLIE, 2015 E.C JULY 2023 G.C

Continue your attempt

Time limit: 2 hours

Grading method: Highest grade

Summary of your previous attempts

Attempt	State	Review
1	In progress	



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Question 88

Not yet answered

Marked out of 1.00

Flag question

Which one of the following temperature controlling mechanisms in homoiotherms is categorized into behavioral method?

☐ a. Seeking shade when the temperature rises

☐ b. Shivering as a result of drop in temperature

☐ c. Constriction of capillaries when the temperature falls

☐ d. Sweating when the temperature increases

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Finish attempt ...

Finish attempt appears at the last question

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Finish attempt ...

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100%

Biology exam

Summary of attempt

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88	Not yet answered

Submit to attempt

Time left 1:10:00

100%

This attempt must be submitted by Wednesday, 27 Jun 2024 1:00:00.

Submit your work

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General

Biology exam

Bio003 / Biology exam / Summary of attempt

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Summary of attempt

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6	Not yet answered
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This attempt must be submitted by Wednesday, 24 April 2024, 8:30 AM.

Submit all and finish

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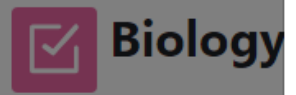
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4	Answer saved
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6	Not yet answered
7	Answer saved

Submit all your answers and finish?

×

Once you submit your answers, you won't be able to change them.

Questions without a response: 10

Cancel

Submit all and finish

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ETHIOPIAN SECONDARY SCHOOL LEAVING CERTIFICATE
EXAMINATION (ESSLCE)
HAMLIE, 2015 E.C JULY 2023 G.C

Continue your attempt

Time limit: 2 hours

Grading method: Highest grade

Summary of your previous attempts

Attempt	State	Review
1	In progress	



