



Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 0

Question No. 2

Enzymes are polymers of.....

- Hexose sugar
- Amino acids
- Fatty acids
- Inorganic phosphate







Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 0

Question No. 17

Most eukaryotic cells produce energy from glucose using

Nitrogen

- Carbon dioxide
- Oxygen
- Hydrogen





Total questions in exam: 25 | Answered: 18

Question No. 6

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The Golgi apparatus

is a digestive compartment within the cell is a biosynthetic factory finishes, sorts and ships cell products stores molecules and wastes







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Total questions in exam: 25 | Answered: 0

Question No. 14

are photosynthetic organelles found in some plant and algae cells

- Mitochondria
- Chloroplast
- Lysosomes
- Golgi apparatus





Which group of the following involved in manufacturing substances needed by the cell?

- Lysosome, vacuole, ribosome.
- Smooth ER, ribosome, vacuole
- Ribosomes, rough ER, smooth ER
- Rough ER, vacuole, lysosome





Total questions in exam: 25 | Answered: 17

Question No. 14

What happens to the lactate in skeletal muscle cells?

It is converted to alcohol
It is taken to the liver and converted back to pyruvate
It reduces FADH2 to FAD+
It is converted to NAD+



Bio_Quiz2_Sem2_20

Total questions in exam: 25 | Answered: 20

Question No. 17

This is a sac-like structure that contains digestive enzymes, it may digest waste materials or even dead cells.

C Lysosome

- Vesicle
- O ER
- Vacuole



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Total questions in exam: 25 | Answered: 0

Question No. 10

Flagella motion can be described as.....

- Slow, wave-like
- Fast, rotational
- General Fast, motor-like
- Slow, rotational









In the last step of cellular respiration, electrons move through inner membrane of mitocl

- Krebs cycle
- Calvin cycle
- Light-dependent reactions
- Electron transport chain





Enzyme maintains.....

- Three-dimensional shape
- Quaternary shape
- All these correct
- Two-dimensional shape

What are the inputs in the equation of cellular respiration?

Total questions in exam: 25 | Answered: 15

Bio_

- Water and glucose
- Glucose and oxygen
- Oxygen and water
- Carbon dioxide and water



The site for synthesis of many organic compounds in the

- Endoplasmic reticulum
 Mitochondria
 Golgi
- Lysosome





Total questions in exam: 25 | Answered: 0

Question No. 1

Which of the following is a product of alcohol fermentation?

- Oxygen and ATP
- Oxgyen and carbon dioxide
- Glucose and carbon dioxide
- Ethanol and carbon dioxide











Movement of solute against concentration gradient is called.

- Active transport
- Osmosis
- Passive transport
- O Diffusion



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	ving is common in all cells?			
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Total questions in exam: 25 | Answered: 2

Question No. 10

Light is absorbed by some substances, these substances are know

- Pigments
- Veins
- Stomata
- stroma











Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 0

Question No. 22

White blood cell engulf and digest bacteria, which organelle will be responsible for destroying the bacteria?

- Rough ER
- Mitochondria
- Golgi apparatus
- Iysosome





Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 0

Question No. 18

The organelle that accounts for more than half of total cell's membranes is.....

- Endoplasmic reticulum
- Lysosomes
- Golgi apparatus
- Plasma membrane











In photosynthesis equation, CO2

- Accepts hydrogen atoms
- All answers are correct
- Reduced and eventually converted to glucose
- Gains electrons





Total questions in exam: 25 | Answered: 15

Question No. 13

A bacterial cell's DNA is found in its ...

- capsule
- nucleoid region
- nucleus
- ribosomes



Total questions in exam: 25 | Answered: 20

Question No. 18

Cell's ATP is produced mainly by a membrane-bound organelle called.....

- O Nucleus
- Mitochondria
- Ribosomes
- Lysosomes



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Total questions in exam: 25 | Answered: 18

Question No. 23

Builds up a complex molecule is called

- Catabolism
- Metabolism
- Nanobolism
- Anabolism



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What are the inputs in the equation of cellular respiration?

Total questions in exam: 25 | Answered: 15

Bio_

- Water and glucose
- Glucose and oxygen
- Oxygen and water
- Carbon dioxide and water







Total questions in exam: 25 | Answered: 23

Question No. 25

Which of the following transport processes will form a vesicle?

- Phagocytosis
- Pinocytosis
- Receptor-mediated endocytosis
- All answers are correct





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otal questions in exam: 25 | Answered: 15

uestion No. 21

/hat is the most likely pathway taken by a newly synthesized protein that will be secreted by a co

- ER \rightarrow lysosomes \rightarrow vesicles that fuse with plasma membrane
- Golgi →ER →lysosome
- $ER \rightarrow Golgi \rightarrow vesicles that fuse with plasma membrane$
- nucleus →ER →Golgi





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Total questions in exam: 25 | Answered: 2

Question No. 12

Ribosomal subunits are manufactured by the

smooth ER

- Golgi apparatus
- nucleolus
- ribosomes



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Total questions in exam: 25 | Answered: 11

Question No. 14

Osmosis means...

- O Movement of solute molecules
- Movement of gas particles in available space
- Movement of both solvent and solute
- Movement of solvent molecules











$\dots + 6O_2 \rightarrow 6CO_2 + \dots + (Cellular respiration equation)$

- C6H12O6 6H2O
- ◎ 6OH 6H₂O
- 6H₂O 6OH
- 6H₂O C₆H₁₂O₆

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Total questions in exam: 25 | Answered: 25

Question No. 24

In glycolysis, the activation of glucose is accomplished by:

NADH

NADPH

· 02

O ATP



Plasma membrane is

- Semi-Permeable
 - Impermeable
 - triple layer of phospholipids

Permeable

MKCL OES

Total questions in exam: 25 | Answered: 14

White blood cells engulf bacteria through what process?

- Exocytosis
- Receptor-mediated exocytosis
- Phagocytosis
- Pinocytosis



Total questions in exam: 25 | Answered: 18

Question No. 6

The Golgi apparatus

is a digestive compartment within the cell
 is a biosynthetic factory
 finishes, sorts and ships cell products
 stores molecules and wastes





Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 21

Question No. 21

.....blocks enzyme substrate from entering the active site.

- Competitive inhibitor
- Non-competitive inhibitor
- Sharing inhibitor
- Non-sharing inhibitor



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Total questions in exam: 25 | Answered: 13

When the concentration of a solute is the same throughout a system, the system has reached

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- Maximum concentration
- Osmotic pressure
- C Equilibrium
- Pinocytosis

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Total questions in exam: 25 | Answered: 0

Question No. 19

Fermentation allows cells to produce ATP without using.....

- CO₂
- Water
- O O2
- Nitrogen



The electron carrier that is involved in the glycolysis is

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O NAD FAD None of them NADP A.34003165



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	Question No. 23				
	Before the oxidative phos	sphorylation, how	many ATP has the cell g	ained from metabolism of	ODD Oliverya
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	0.1				
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Total questions in exam: 25 | Answered: 2

Question No. 9

All of the following are parts of the chloroplast structure, except?

. X

- stroma
- O DNA
- Stoma
- 🔘 granum

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qu	wood by
	utos that produced
THE STATE	molecules
stion No. 21 produces half of re-	
et carbohydrate proc	
ak down of con	
Nucleic acids	
Nucleus	
Amino acids	
None of them	
Fats	
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Total questions in exam: 25 | Answered: 8

Question No. 12

..... are the main component of the plasma membrane....

- O Protein
- Nucleic Acids
- Carbohydrates
- Phospholipids



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Total questions in exam: 25 | Answered: 11

Question No. 24

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During photosynthesis, plants convert carbon dioxide and water to oxygen and sugar. In this reaction, oxygen and sugar are to

- O Enzymes
- O None of them
- Reactants
- Products



Total questions in exam: 25 | Answered: 5

Question No. 25

Membranes may fold inward enclosing material from the outside by a process called

2

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- O Pinocytosis
- Passive transport
- Diffusion
- Exocytosis



Enzyme maintains.....

- Three-dimensional shape
- Quaternary shape
- All these correct
- C Two-dime sions shape



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Total questions in exam: 25 | Answered: 2

Question No. 12

Ribosomal subunits are manufactured by the.....

smooth ER

- Golgi apparatus
- nucleolus
- ribosomes

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Total questions in exam: 25 | Answered: 2

Question No. 6

In diffusion

- Only solvents moves
- Both solvents and solutes moves

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- None of them
- Only solutes moves

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Bio_Quiz2_Sem2_20

Total questions in exam: 25 | Answered: 20

Question No. 17

This is a sac-like structure that contains digestive enzymes. It may digest waste materials or even dead cells.

- C Lysosome
- Vesicle
- @ ER
- O Vacuole



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Which show of actobic tespiration produce (C) and 24 TP2



Total questions in exam: 25 | Answered: 2

Question No. 9

All of the following are parts of the chloroplast structure, except?

- stroma
- O DNA
- Stoma
- ◎ granum



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Total questions in exam: 25 | Answered: 2

Question No. 3

How is anaerobic respiration different than aerobic respiration?

- Anaerobic respiration need oxygen
- Anaerobic respiration does not need carbon
- Anaerobic respiration need carbon
- Anaerobic respiration does not need oxygen





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Total questions in exam: 25 | Answered: 17

Question No. 25

is an energy-rich molecule, produced by cellular respiration, is vital for the functioning of the cell.

Oxygen

Sugar

O ATP

Water





Total questions in exam: 25 | Answered: 12

Question No. 18

Primary function of cofactor is to.....

Assist in enzyme activity
Assist in enzyme inhibition
Assist in enzyme synthesis
None of them



ATP molecules are needed in the transport of

- Oxygen
- Carbon dioxide

Polysaccharides to areas of higher concentrations
 Water

Total questions in exam: 25 | Answered: 11

Question No. 11

Water passes quickly through cell membranes because

E

.

- Water is a small, polar, charged molecule
- It moves through aquaporins in the membrane
- Water move using ATP
- The bilayer is hydrophilic

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Total questions in exam: 25 | Answered: 2

Question No. 7

If a cell is placed in salt water, water will

- Leave the cell and cell shrink
- Frozen inside the cell
- All answers are correct
- Enter the cell and the cell expand

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Total questions in exam: 25 | Answered: 25

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Question No. 2

which of the followings exported by exocytosis?

- Disaccharides
- Polysaccharides
- Monosacchandes
- Fatty acids



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Question No. 14

014004978 The thermodynamics are

- Quantity of food eaten
- Capacity to perform work
- Laws that study energy transformations
- Laws that study cell movement



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Total questions in exam: 25 | Answered: 21

Question No. 5

Which transport does not need energy?

Active

Passive

Active and Passive

All answers are correct



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Total questions in exam 25 | Answered 0

Question No. 1

What are the three main types of passive transport

- O Diffusion , facilitated diffusion, exocytosis
- Diffusion, pinocytosis and phagocytosis
- O Diffusion, osmosis and facilitated diffusion.
- Diffusion, endocytosis, osmosis

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Total questions in exam: 25 | Answered: 0

Question No. 20

Light is the.....

- End product of photosynthesis
- Energy that starts the citric acid cycle
- End product of oxidative phosphorylation
- Energy that starts the photosynthesis





Question No. 14

What happens to the lactate in skeletal muscle cells?

It is converted to alcohol
It is taken to the liver and converted back to pyruvate
It reduces FADH2 to FAD+
It is converted to NAD+









Total questions in exam: 25 | Answered: 25

Question No. 3

which of the following cellular structures is different from the others?

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- chloroplasts
- nucleus
- ribosomes
- mitochondria



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Total questions in exam 25 | Answered 21

Question No. 3

Channel protein is an example of

- G Facilitated diffusion
- O Diffusion
- O Osmosis





Question No. 3

The products of the Krebs cycle are the following, except

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- CO2
- 0 02
- O ATP
- O NADH

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Total questions in exam: 25 | Answered: 0

Question No. 6

Which of the following organelles can not be observed with the light microscope?

- Golgi bodies
- Ribosomes
- All answers are correct
- Lysosomes



Total questions in exam: 25 | Answered: 1

Question No. 2

Microscopes which can magnify cell organells clearly are called......

- Light microscopes
- All answers are correct
- Transmission electron microscopes
- Dissecting microscopes

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Question No. 25

Cells import large solid particles through

- Phagocytosis
- Diffusion
- Exocytosis
- Pinocytosis



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Total questions in exam: 25 | Answered: 17

Question No. 25

is an energy-rich molecule, produced by cellular respiration, is vital for the functioning of the cell.

Oxygen

Sugar

O ATP

Water







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Total questions in exam: 25 | Answered: 2

Question No. 12

Ribosomal subunits are manufactured by the.....

smooth ER

- Golgi apparatus
- nucleolus
- ribosomes

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Total questions in exam: 25 | Answered: 20

Question No. 18

Cell's ATP is produced mainly by a membrane-bound organelle called

- O Nucleus
- Mitochondria
- Ribosomes
- O Lysosomes





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Total questions in exam: 25 | Answered: 18

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Question No. 23

Builds up a complex molecule is called

- Catabolism
- Metabolism
- Nanobolism
- Anabolism

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Total questions in exam 25 | Answered: 11

Duestion No. 21

A complex of rRNA and protein molecules that function as a site of protein synthesis in the cytoplasm, consistent

O Peroxisome

Chromosome

C Ribosome

C Lysosome

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Total questions in exam: 25 | Answered: 0

Question No. 11

Which process in eukaryotic cells will proceed normally whether oxygen (O2) is present or absent?

Glycolysis



The citric acid cycle

Oxidative phosphorylation



Question No. 15

Chloroplast is.....

- Found in plant cells
- An-energy converting organelle
- all answers are correct
- a double membrane organelle



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Total questions in exam: 25 | Answered: 25

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Question No. 2

which of the followings exported by exocytosis?

- Disaccharides
- Polysaccharides
- Monosacchandes
- Fatty acids



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Total questions in exam: 25 | Answered: 5

Question No. 25

Membranes may fold inward enclosing material from the outside by a process called

2

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- O Pinocytosis
- Passive transport
- Diffusion
- Exocytosis





Question No. 9

Carbon dioxide spreads easily between cells because

- None of them
- Q Non-polar
- tts molecules of large size.
- O Polar



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Question No. 13

A bacterial cell's DNA is found in its ...

- capsule
- nucleoid region
- nucleus
- ribosomes



Question No. 1

magnifies an image of a specimen by passing light through it.

Bio_Quiz2_Sem2_2019

- Scanning electron microscope
- Light microscope
- Transmission electron microscope

6

Naked eyes





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Total questions in exam: 25 | Answered: 0

Question No. 15

The process of converting carbon dioxide and water, in presence of sunlight, producing glucose and oxygen is

- Building up of large molecules from simple inorganic ones.
- Anabolic process
- Energy-converting cellular process
- All answers are correct



Question No. 14

The inner room of chloroplast is called.....

- Stroma
- Thylakoid
- Granum
- Outer membrane



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Total questions in exam: 25 | Answered: 11

Question No. 11

Water passes quickly through cell membranes because

E

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- Water is a small, polar, charged molecule
- It moves through aquaporins in the membrane
- Water move using ATP
- The bilayer is hydrophilic

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Total questions in exam: 25 | Answered: 0

Question No. 1

Which of the following is a product of alcohol fermentation?

- Oxygen and ATP
- Oxgyen and carbon dioxide
- Glucose and carbon dioxide
- Ethanol and carbon dioxide



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Total questions in exam: 25 | Answered: 15

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Question No. 14

What are the inputs in the equation of cellular respiration?

- Water and glucose.
- Glucose and oxygen
- Oxygen and water
- Carbon dioxide and water





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uestion No. 21

/hat is the most likely pathway taken by a newly synthesized protein that will be secreted by a co

- ER \rightarrow lysosomes \rightarrow vesicles that fuse with plasma membrane
- Golgi →ER →lysosome
- $ER \rightarrow Golgi \rightarrow vesicles that fuse with plasma membrane$
- nucleus →ER →Golgi

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Total questions in exam: 25 | Answered: 0

Question No. 3

How is bulk molecule enters through phospholipid bilayer?

- Assistance of membrane proteins
- Exocytosis
- Endocytosis
- All answers are correct





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Total questions in exam: 25 | Answered: 0

Question No. 22

White blood cell engulf and digest bacteria, which organelle will be responsible for destroying the bacteria?

- Rough ER
- Mitochondria
- Golgi apparatus
- Iysosome


Total questions in exam: 25 | Answered: 18

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Question No. 23

Builds up a complex molecule is called

- Catabolism
- Metabolism
- Nanobolism
- Anabolism

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Question No. 23 After cellular respiration, muscle cells will have • MoreO₂ More glucose Less CO₂ More CO₂



Total questions in exam: 25 | Answered: 18

Question No. 10

Redox process in cellular respiration include reactions

- Reduction and Oxidation
- Oxidation and Dehydration
- Hydrolysis and Oxidation
- Reduction and Hydrolysis









Total questions in exam: 25 | Answered: 23

Question No. 25

Which of the following transport processes will form a vesicle?

- Phagocytosis
- Pinocytosis
- Receptor-mediated endocytosis
- All answers are correct



Total questions in exam: 25 | Answered: 20

Bio_Q

Question No. 18

Cell's ATP is produced mainly by a membrane-bound organelle called

- Nucleus
- Mitochondria
- Ribosomes
- Lysosomes







Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 0

Question No. 12

Movement of solute with/down concentration gradient is.....

- Osmosis
- Active transport
- passive transport
- Endocytosis







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Bio_Quiz2_Sem2_2019 8 Use Test pressent is care 25 (Amsend 10 Nun NUR Park and animal cells carry eat photosynthesis. This is an incorrect sentence because 20 0 -Ø Pants and animals do not carry out photosynthesis Only animals carry out photosymmetrics 8 15 22 © One plants carry out photosynthesis # Parts de net carry out photosynithesis Sert & Net Jan +# 11790



13. The final electron acceptor in aerobic respiration is:

a. CO_2 02 b. c. NAD+ d. ATP

Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 21

Question No. 5

Which transport does not need energy?

Active





Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 21

Question No. 12

Movement of solute with/down concentration gradient is.....

Osmosis

- Active transport
- passive transport
- Endocytosis



Total questions in exam: 25 | Answered: 7

Question No. 2

In photosynthesis equation, CO2

- Accepts hydrogen atoms
- All answers are correct
- Reduced and eventually converted to glucose
- O Gains electrons



Bio_Quiz2_Sem2_2019

Total questions in exam: 25 | Answered: 0

Question No. 14

are photosynthetic organelles found in some plant and algae cells

- Mitochondria
- Chloroplast
- Lysosomes
- Golgi apparatus



Question No. 19

Oxidation is the _____, and reduction is the _____

- Loss of electrons . . . Gain of electrons
- Gain of carbon . . . Loss of carbon
- O Loss of carbon Gain of carbon
- Gain of electrons . . . Loss of electrons



Total questions in exam: 25 | Answered: 15

Question No. 16

In absence of oxygen, many cells can use only

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- Glycolysis
- Glycolysis or citric acid cycle
- Citric acid cycle
- Electron transport chain





Total questions in exam: 25 | Answered: 15

Question No. 10

Chemo-autotrophs are organisms which

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- Depend on others food
- Make their food using chemical compounds
- Make their food using light
- Can't make food

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Total questions in exam: 25 | Answered: 25

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Question No. 2

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