

تجميعات مييد احياء

1442

اللول صحيحه باذن الله
الله يوفقكم



دعواتهم الصادقه



Question No. 1

The difference between Krebs cycle and oxidative phosphorylation is that.....

- Only Krebs cycle occurs inside the mitochondria
- Oxidative phosphorylation produce more ATP molecules
- Only oxidative phosphorylation occurs in the cytoplasm
- All answers are correct

B

Total questions in exam: 30 | Answered: 1

Question No. 2

.....is a coenzyme for some enzymes

- Lead
- Zinc
- Copper
- Vitamin

D

Question No. 3

One of the following is a NON-polar molecule

- Glucose
- Fructose
- Carbon dioxide
- Water



Total questions in exam: 30 | Answered: 3

Question No. 4

Golgi apparatus is an organelle that receives and packages materials into transport

- Ribosomes
- Lysosomes
- Vesicles
- Capsules

C

Total questions in exam: 30 | Answered: 4

Question No. 5

Which of the following is correct about the difference between cilia and flagella?

- Cilia are only found in Eukaryotic cells
- Flagella are more in number compared to cilia
- Cilia are slow compared to flagella
- Cilia are long compared to flagella

A

Total questions in exam: 30 | Answered: 5

Question No. 6

The first stage in cellular respiration is the

- release of carbon dioxide Transporting electrons
- breaking down of pyruvate
- breaking down of glucose
- use of oxygen

C

Total questions in exam: 30 | Answered: 6

Question No. 7

In the absence of oxygen, muscle cells accumulating pyruvate will produce

- Carbon dioxide
- Lactate
- Water
- Oxygen

B

Total questions in exam: 30 | Answered: 7

Question No. 8

..... is the stage when most of ATP molecules are produced during cellular respiration.?

- Glycolysis
- Oxidative phosphorylation
- Krebs cycle
- Glycolysis and Krebs cycle

B

Total questions in exam: 30 | Answered: 8

Question No. 9

Which of the following statements describe the role of enzyme in any reaction?

- The reaction is faster in the presence of the enzyme
- The reaction changes the enzyme
- The reaction is slower in the presence of the enzyme
- The reaction consumes the enzyme

A

Total questions in exam: 30 | Answered: 9

Question No. 10

Animal cell membrane fluidity is maintained by.....

- Cholesterol
- Collagen
- Carbohydrates
- Phospholipids

A



Total questions in exam: **30** | Answered: **10**

Question No. 11

The organelle responsible for energy generation in eucaryotic cells is

- Mitochondria
- Nucleus
- Nucleolus
- Golgi bodies

A

Question No. 12

The function of the extracellular matrix is.....

- to hold cells together
- to help the cell in reproduction
- to help in cellular movement
- to help the cell during respiration

A



Total questions in exam: 30 | Answered: 12

Question No. 13

Transport mechanism of solvents which require the presence of semi-permeable membrane is called.....

- Diffusion
- Active transport
- Osmosis
- Exocytosis

C

Total questions in exam: 30 | Answered: 13

Question No. 14

Mitochondria and chloroplasts are NOT

- Energy-converting organelles
- Organelles with double membranes
- Part of the endo-membrane system
- ATP-producing organelles

C

Total questions in exam: 30 | Answered: 14

Question No. 15

The part of the enzyme that interacts with a specific substrate is called the....

- active site
- coenzyme
- cofactor
- subunit



A

Total questions in exam: 30 | Answered: 15

Question No. 16

Which of the following is produced during glycolysis?

- ATP
- all answers are correct
- Pyruvate
- Electrons

B

Total questions in exam: 30 | Answered: 16

Question No. 17

The Is the green pigment present in chloroplasts

- Hemoglobin
- carotenoid
- Chlorophyll
- DNA

C

Total questions in exam: 30 | Answered: 17

Question No. 18

..... occurs outside the mitochondria?

- Krebs cycle
- Electron transport chain
- Glycolysis
- All answers are correct

C

Total questions in exam: 30 | Answered: 18

Question No. 19

The main component in plasma membranes is composed of

- Phospholipids
- Steroids
- Triglycerides
- Carbohydrates

A

Question No. 20

An organelle that detoxifies poisons is.....

- Smooth ER
- Golgi apparatus
- Rough ER
- Ribosome

A

Question No. 21

Primary function of coenzymes is to.....

- Assist in enzyme activity
- Assist in enzyme synthesis
- Assist in enzyme inhibition
- All of the answers are correct None of them

A

Question No. 22

Cilia are composed of..

- Macrotubules
- Microfilaments
- Microtubules
- Monotubules

C

Total questions in exam: 30 | Answered: 22

Question No. 23

The plasma membrane surface appears mosaic because.....

- membrane carbohydrates move
- phospholipids between two layers of protein membrane proteins move
- Cholesterol is wedged in membrane
- proteins are embedded into phospholipids

D

Total questions in exam: 30 | Answered: 23

Question No. 24

The process by which large molecules enter the cell isand exit from the cell is

- Endocytosis - Exocytosis
- Diffusion - Osmosis
- Exocytosis - Endocytosis
- Osmosis - Diffusion

A

Question No. 26

The citric acid cycle is also called

- Darwin cylce
- Krebs cycle
- Calvin cycle
- Newton cycle

B

Question No. 25

Photosynthesis

- Produces oxygen
- breaks down glucose
- Makes ATP to power all cell activities
- Breaks down Carbon dioxide

A

Total questions in exam: 30 | Answered: 26

Question No. 27

All of these organelles contain DNA except for

- Golgi bodies
- mitochondria
- nucleus
- chloroplasts

A

Question No. 28

Oxidative phosphorylation produces

- 4 ATP molecules
- 28 ATP molecules
- 16 ATP molecules
- 38 ATP Molecules

B

Total questions in exam: 30 | Answered: 28

Question No. 29

Glucose synthesis is the result of

- Light reactions
- Oxidation reactions
- Dark reactions
- None of them

C

Question No. 30

Which of the following is NOT an energy-converting organelle?

- Golgi bodies
- Endoplasmic reticulum
- Nucleus
- All answers are correct

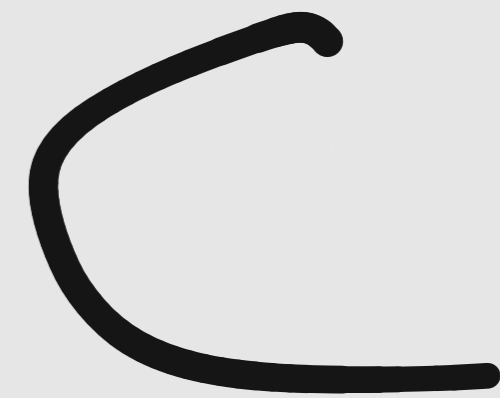
D

Total questions in exam: 30 - Answered: 30

Question No. 27

Osmosis is.....

- the movement of solute molecules
- the movement of both solvent and solute molecules
- the movement of solvent molecules
- the movement of gas particles in available space



Question No. 15

Which one of the following is NOT an organelle?

- DNA
- Golgi apparatus
- Mitochondria
- Lysosome

A

Question No. 29

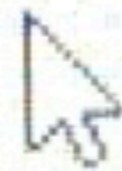
What best describes Calvin cycle?

- It releases O₂
- It produces energy-rich ATP
- It is the first stage of photosynthesis
- It uses the energy stored in ATP and NADPH

D

The loss of heat during the conversion of energy is explained by the

- Second law
- Fourth law
- First law
- Thrid law



A

Question No. 25

Which of the following is common between photosynthesis and cellular respiration?

- They occur inside the mitochondria
- They produce oxygen
- They produce ATP molecules
- All answers are correct

C

Question No. 14

Both chloroplasts and mitochondria have a space between their two membranes that is called :

- Inner membrane space
- Outer membrane space
- Inter-membrane space
- Lower-membrane space



Question No. 2

Which of these is **NOT** true about anaerobic cellular respiration?

Is a three steps process.

Releases ATP

Does not need oxygen

Breaks down glucose

A

Total questions in exam: 30 | Answered: 30

Question No. 6

Glycolysis uses how many oxygen atoms?

Three

Six

Zero

Two

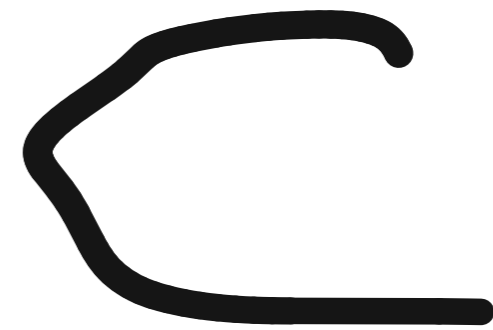
✘ أنا كدو أكثر من الإجابة
لأنني ما أنكرت إذا صح ١٥٥٪

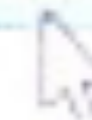
B

Question No. 7

'Energy of motion' is the

- Stored energy
- Potential energy
- Kinetic energy
- Chemical energy





Question No. 29

Number of combined ATP molecules produced in glycolysis AND citric acid cycle

2

34

4

28

C

Question No. 20

The ----- is found only in plant cells to protect it and maintain its shape.

- Cell Wall
- Extracellular matrix
- Nuclear envelope
- Centriole



Question No. 2

The moving tail in the human sperm cell is called:

- cilium
- fimbriae
- flagellum
- capsule



Ribosomes that are not attached to the ER are called.....

- Bound and free ribosomes
- Free ribosomes
- None of them
- Bound ribosomes

B

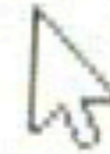
Fermentation allows cells to produce ATP without using.

- Carbon dioxide
- Oxygen
- Water
- Nitrogen

B

..... are the organelles responsible for photosynthesis in plant cells.

- Chloroplasts
- Vacuoles
- Mitochondria
- Lysosomes



A

Total questions in exam: 30 | Answered: 30

Question No. 20

The sum of breakdown and build-up processes in the body is called

Metabolism

embolism

Anabolism

Catabolism

A

Total questions in exam: 30 | Answered: 30

Question No. 23

Cells use enzymes in

Defense

None of them

Protection

Catalysis

D

Total questions in exam: 30 | Answered: 30

Question No. 25

Which of the following membrane activities uses ATP?

Movement of water into a cell

Movement of glucose into the cell with the concentration gradient

Sodium ions (Na^+) moving out of the cell against concentration gradient

Movement of oxygen molecules into the cell

C

Question No. 30

Molecules move from high concentration to low concentration by

Endocytosis

Diffusion

Active transport

Exocytosis

B

Total questions in exam: 30 | Answered: 30

Question No. 26

..... are the main components of the plasma membrane.....

- Phospholipids
- Proteins
- Carbohydrates
- Nucleic Acids

A

Total questions in exam: 30 | Answered: 30

Question No. 22

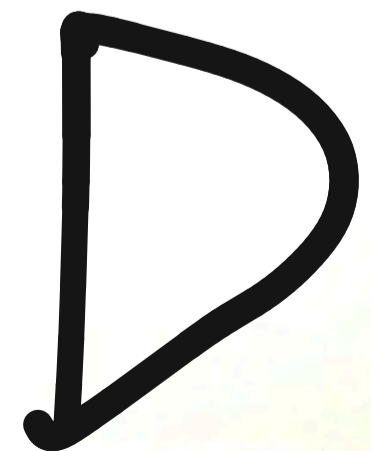
Active transport requires as a source of energy.

Fatty acids

Proteins

Carbohydrates

ATP molecules



Question No. 6

A structure in the cell known as the site of rRNA synthesis.

Nucleolus

Ribosomes

Mitochondrion

Golgi apparatus

A

Total questions in exam: 30 | Answered: 30

Question No. 14

..... causes changes in the shape of active site in enzymes

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

D

Total questions in exam: 30 | Answered: 30

Question No. 1

flagella could be found in -----

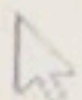
Eukaryotic and prokaryotic cells

None of them

Only Eukaryotic cells

only Prokaryotic cells

A



Total questions in exam: 30 | Answered: 30

Question No. 13

Why Light is necessary in the process of photosynthesis?

To reduce oxygen

To combine carbon dioxide and water

To Split carbon dioxide

To generate ATP and split water



Total questions in exam: 30 | Answered: 30

Question No. 10

Photosynthesis converts light energy into chemical energy stored as

- Sugar
- None of them
- ATP
- Fats

A

Question No. 30

All of the following about Mitochondria are correct except

- They are found in prokaryotic cells
- They carry out cellular respiration
- They contain DNA
- They are energy converting organelles

A

Total questions in exam: 30 | Answered: 30

Question No. 5

Which of the following is NOT an energy-converting organelle?

Endoplasmic reticulum

All answers are correct

Golgi bodies

Nucleus

B