



تجميعات فرعون



Total questions in exam: 40 | Answered: 9

Question No. 9

Which of the following nitrogen bases are purines?

- Guanine - Cytosine
- Adenine - Thymine
- Adenine - Guanine
- Cytosine - Adenine

C

Question No. 34

Which is the largest among the followings?

- Carbon
- Nucleotide
- Nitrogenous base
- Phosphate

Question No. 1

The inner membrane folded into cristae (large surface area for respiratory enzymes) is the component of

- ribosomes
- chloroplast
- Golgi apparatus
- mitochondria

Question No. 2

Which tissue forms the outer, protective covering of a plant?

- all answers are correct
- vascular tissue
- dermal tissue
- ground tissue

Question No. 17

Main sources of chemical energy in the cell are.....

- Fats
- Carbohydrates
- Proteins
- All answers are correct



Question No. 10

Autotrophic means organisms that

- Produce light energy using food
- Do not produce their food
- Do not produce light
- Produce their own food

D

Question No. 3

The transport of substances through proteins pumps is considered as

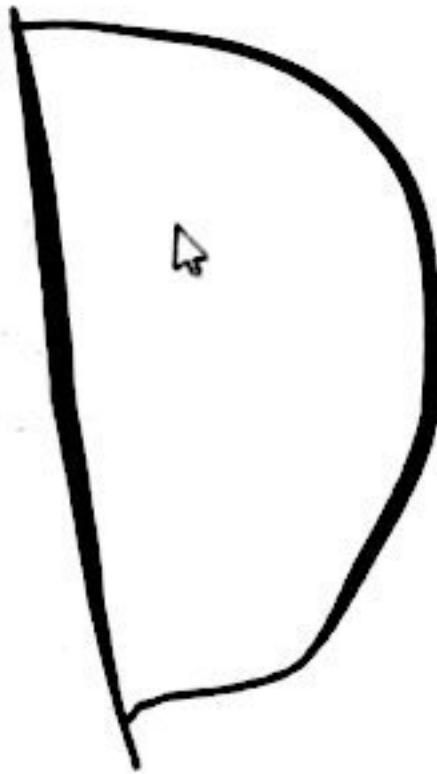
- Exocytosis
- Facilitated diffusion
- Passive transport
- Active transport

D

Question No. 1

In alveoli _____

- Blood takes up carbon dioxide and drops off oxygen
- Blood mixes with hemoglobin
- Blood mixes gases
- Blood takes up oxygen and drops off carbon dioxide



Question No. 8

Which of These molecules form the core of a cell's ribosomes?

- rRNA
- mRNA
- DNA
- tRNA

A

Light energy changes into chemical energy in plants by

- Respiration
- Diffusion
- Glycolysis
- Photosynthesis



Question No. 2

Which of the following is not a type of vessel?

- vein
- Atrium
- Artery
- Capillary

B

Question No. 4

..... joins the leaf to a node.

- Petals
- Root
- Petiole
- Stem



Question No. 2

Photosynthesis converts light energy into chemical energy stored in

- None of them
- ATP
- Sugar
- Fats



Question No. 4

Oxidative phosphorylation is:

- Produced most ATP molecules in the cell
- Stage during which oxygen is reduced to water
- All answers are correct
- 3rd stage of aerobic cellular respiration

C

Question No. 14

Genetic information flow as

- DNA \rightarrow RNA \rightarrow Protein
- Protein \rightarrow RNA \rightarrow DNA
- RNA \rightarrow DNA \rightarrow Protein
- DNA \rightarrow Protein \rightarrow RNA

A

Question No. 10

Autotrophic means organisms that

- Produce light energy using food
- Do not produce their food
- Do not produce light
- Produce their own food



Question No. 6

Skeletal muscles are connected to bones by means of

- Cartilage
- Ligaments
- Tendons
- Adipose tissue



Question No. 5

RNA is translated into protein by using...

- Monosaccharide language
- Fatty acid language
- amino acid language
- nucleotide language



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Question No. 9

Which of the following nitrogen bases are purines?

- Guanine - Cytosine
- Adenine - Thymine
- Adenine - Guanine
- Cytosine - Adenine

C

Question No. 3

The type of sugar in DNA nucleotide is.....

- Maltose
- Fructose
- Deoxyribose
- Ribose



Question No. 17

What is pollination?

- The transfer of pollen from stigma to anther
- The transfer of pollen from stigma to ovary
- The transfer of pollen from anther to stigma
- None of them

Question No. 21

Cellular drinking is called

- Pinocytosis
- Phagocytosis
- Exocytosis
- All the answers are correct

Question No. 5

The structure of Uracil (U) is very similar to

- Adenine (A)
- Cytosine (C)
- Guanine (G)
- Thymine (T)

Question No. 38

In DNA, which of the following base pairing is TRUE?

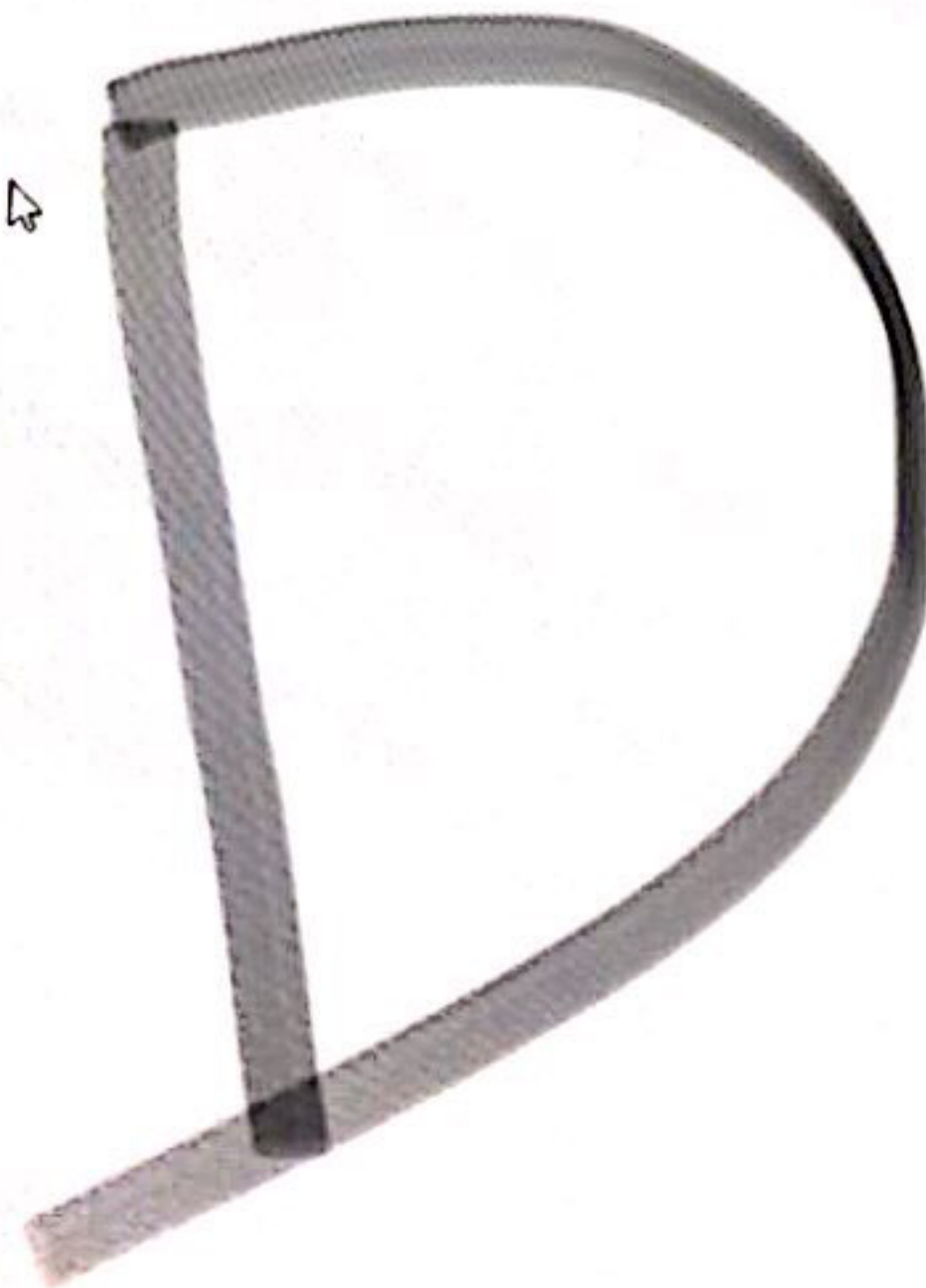
- Thymine (T) – Uracil (U)
- Adenine (A) – Guanine (G)
- Guanine (G) – Cytosine (C)
- Cytosine (C) – Thymine (T)



Question No. 1

In alveoli _____

- Blood takes up carbon dioxide and drops off oxygen
- Blood mixes with hemoglobin
- Blood mixes gases
- Blood takes up oxygen and drops off carbon dioxide



Question No. 9

Chemical digestion of food is catalyzed by

- Enzymes
- Teeth
- HCL
- Water

A

Question No. 4

..... joins the leaf to a node.

- Petals
- Root
- Petiole
- Stem

C

Total questions in exam: 40 | Answered: 23

Question No. 1

Which one of the following organs does not affect the digestion process?

- Pancreas
- Tongue
- Salivary glands
- Gall bladder

D

Question No. 8

Which of These molecules form the core of a cell's ribosomes?

- rRNA
- mRNA
- DNA
- tRNA

A

Question No. 6

The pigment that absorbs excessive light that would damage chlorophyll is called?

- Chlorophyll a + b
- Carotenoid
- Chlorophyll c
- Chlorophyll a

DB


Total questions in exam: 40 | Answered: 17

Question No. 16

What is pollination?

- The transfer of pollen from anther to stigma
- The transfer of pollen from stigma to anther
- None of them
- The transfer of pollen from stigma to ovary

A

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Total questions in exam: 40 | Answered: 0

Question No. 7

Which of the following contains hydrolytic enzymes?

- mitochondrion
- Golgi apparatus
- Vacuole
- Lysosome



Total questions in exam: 40 | Answered: 9

Question No. 7

In the digestive tract, the absorbs H₂O to give semi-so

- Esophagus
- Large intestine
- Small intestine
- Stomach

B

Question No. 7

Which of the following contains hydrolytic enzymes?

- mitochondrion
- Golgi apparatus
- Vacuole
- Lysosome

D

Question No. 22

The tissues are higher levels than

- Organism
- Organ systems
- Organs
- Cells

D

Question No. 19

A nucleotide consists of

- All answers are correct
- Phosphate group
- Nitrogen base
- Sugar

Total questions in exam: 40 | Answered: 17

Question No. 16

What is pollination?

- The transfer of pollen from anther to stigma
- The transfer of pollen from stigma to anther
- None of them
- The transfer of pollen from stigma to ovary

A

In fish, gas exchange is enhanced by:

- Elimination
- Emulsion
- Ventilation
- Contraction



Question No. 19

A 15-nucleotide sequence will direct the production of a polypeptide chain with up to

- 3 amino acids
- 5 amino acids
- 7 amino acids
- 2 amino acids



Question No. 34

In DNA – Cytosine (C) pairs with

- Adenine (A)
- Thymine (T)
- Guanine (G)
- Uracil (U)



Question No. 15

What is the most likely pathway taken by a newly synthesized protein that will be secreted by a cell?

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



Total questions in exam: 40 | Answered: 17

Question No. 11

The fluid-mosaic model of the cell membrane is a

- Tri-layer of phospholipid with embedded proteins
- Mono-layer of phospholipid with embedded proteins
- Bi-layer of primary proteins with embedded lipids
- Bi-layer of phospholipid with embedded proteins



Question No. 9

How do germinating seeds get the food they need to grow?

- From their food store
- From the soil
- From leaves
- By photosynthesis

Question No. 20

What is the role of messenger RNA?

- To take amino acids to the ribosome
- To bring the DNA message to the mitochondrion
- To bring the DNA message to the ribosome
- To bring the tRNA message to the nucleus



Question No. 13

Connective tissues that stores energy as lipids are.....

- Bone
- Muscle
- Adipose
- Nervous



Question No. 7

Which of the following contains hydrolytic enzymes?

- mitochondrion
- Golgi apparatus
- Vacuole
- Lysosome



Question No. 4

Which epithelial tissue lines the esophagus?

- Simple squamous
- Cardiac muscles
- Stratified squamous
- Simple columnar

Question No. 34

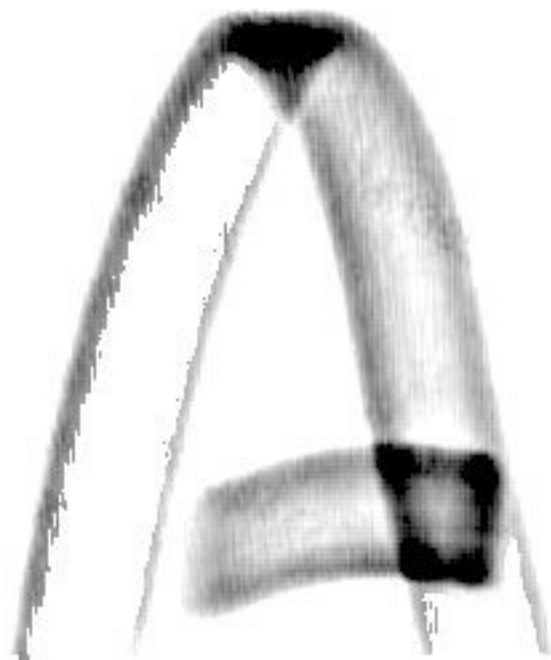
Heterotrophs means organisms that.....

- Produce their food using light and chemicals

Question No. 4

The heart is mostly made of muscle tissue. It has also _____ tissues

- All answers are correct
- Epithelial
- Connective
- Nervous



Question No. 5

A small organ located under the liver and help to digest fatty foods is called.

- Gall bladder
- Lungs
- Pancreas
- Stomach



Question No. 20

Breathing and respiration are closely related because

- Both take up O_2 and release CO_2
- Both build sugars
- Both takes up sugars
- Both take up CO_2 and release O_2

A

Question No. 28

The sugar ribose has

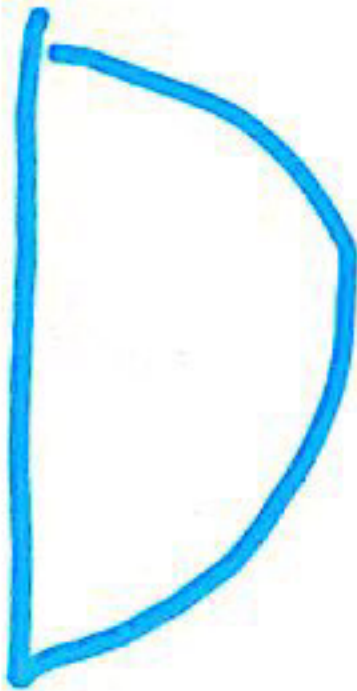
- one less oxygen than deoxyribose
- Two more oxygen than deoxyribose
- Two less oxygen than deoxyribose
- one more oxygen than deoxyribose



Question No. 21

In flowers, Anther is carried on

- stigma
- petals
- carples
- stamens



Total questions in exam. 40 | Answered 23

Question No. 17

How many organ systems are in a plant?

- Root system
- Urinary system
- Root and shoot systems
- Shoot system



Question No. 14

Chromosomes consist of

- DNA and lipids
- DNA and protein
- RNA and sugar
- RNA and amino acids

B

Question No. 28

The sugar ribose has

- one less oxygen than deoxyribose
- Two more oxygen than deoxyribose
- Two less oxygen than deoxyribose
- one more oxygen than deoxyribose



Total questions in exam: 40 | Answered: 31

Question No. 32

In fish, gas exchange is enhanced by

- Contraction
- Emulsion
- Ventilation
- Elimination

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Question No. 23

Blood is

- A muscle tissue
- An epithelial tissue
- A nervous tissue
- A connective tissue

D

Question No. 16

The function of the stigma is to

- provide nutrients to the developing embryo
- conduct pollen to the ovary
- capture pollen
- produce pollen

Question No. 25

Monomers of both DNA and RNA are called

- Amino acids
- Fatty acids
- Monosaccharides
- Nucleotides



Question No. 9

How do germinating seeds get the food they need to grow?

- From their food store
- From the soil
- From leaves
- By photosynthesis



Question No. 23

Blood is

- A muscle tissue
- An epithelial tissue
- A nervous tissue
- A connective tissue

A

14

Question No. 28

The sugar ribose has

- one less oxygen than deoxyribose
- Two more oxygen than deoxyribose
- Two less oxygen than deoxyribose
- one more oxygen than deoxyribose

D

C

Question No. 6

The pigment that absorbs excessive light that would damage chlorophyll is called?

- Chlorophyll a + b
- Carotenoid
- Chlorophyll c
- Chlorophyll a

C

Total questions in exam: 40 | Answered: 27

Question No. 36

Transcription and translation of a gene composed of nucleotides would form a protein containing no more than 10

- 4
- 54
- 6
- 45



Total questions in exam: 40 | Answered: 11

Question No. 28

A mixture of gastric fluid and food particles is called.....

- Chyme
- Feces
- Saliva
- Bile

Question No. 3

Which of the following membrane activities require energy from ATP?

- Movement of water into a cell
- Na⁺ ions moving out of the cell
- Movement of carbon dioxide outside cells
- Movement of glucose molecules

B

In fish, gas exchange is enhanced by:

- Elimination
- Emulsion
- Ventilation
- Contraction



Question No. 1

Which one of the following organs does not affect the digestion process?

- Pancreas
- Tongue
- Salivary glands
- Gall bladder

B

Question No. 33

The total of all energy used by animals is called.....

- Respiration rate
- Energy resting rate
- Metabolic rate
- Kinetic energy

B?

Question No. 3

The transport of substances through proteins pumps is considered as

- Exocytosis
- Facilitated diffusion
- Passive transport
- Active transport

Question No. 8

Water passes quickly through cell membranes because

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



Question No. 3

Which of the following membrane activities require energy from ATP?

- Movement of water into a cell
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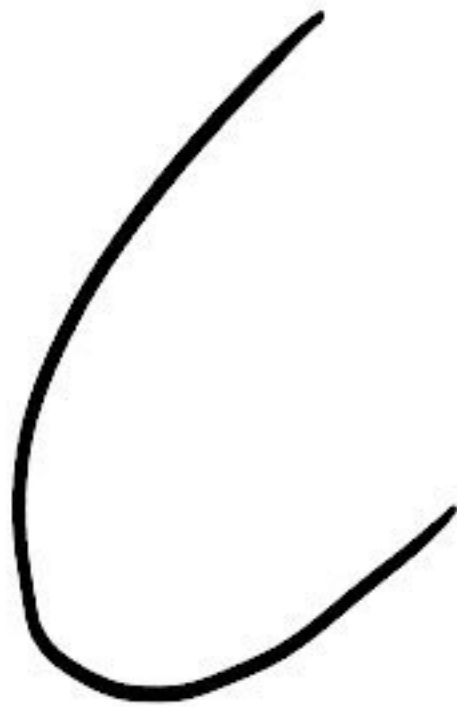
Question No. 9

Chemical digestion of food is catalyzed by

- Enzymes
- Teeth
- HCL
- Water

In fish, gas exchange is enhanced by:

- Elimination
- Emulsion
- Ventilation
- Contraction



Question No. 23

What links the arteries to the veins?

- Vessels
- Capillaries
- Aorta
- Arter

B

Question No. 25

In lungs, gases are exchanged by _____ process

- Diffusion
- Osmosis and Diffusion
- Neither osmosis nor diffusion
- Osmosis

Total questions in exam: 40 | Answered: 14

Question No. 7

In the digestive tract, the absorbs H₂O to give semi-solid waste

- Esophagus
- Large intestine
- Small intestine
- Stomach

B

Question No. 37

What is pollination?

- The transfer of pollen from anther to stigma
- None of them
- The transfer of pollen from stigma to ovary
- The transfer of pollen from stigma to anther

A

Question No. 10

The major function of enzymes is

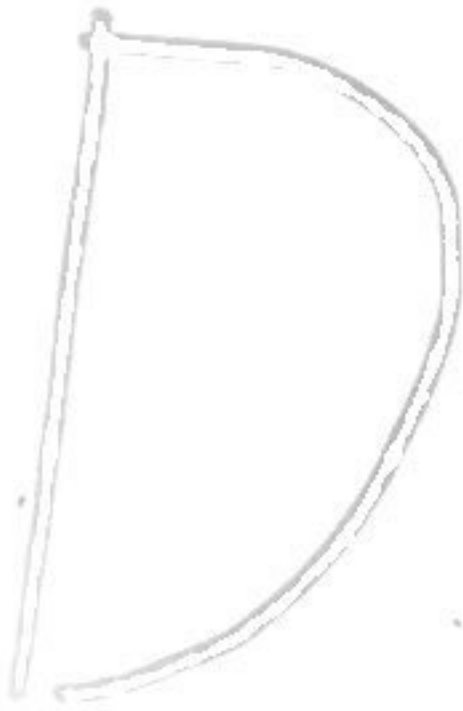
- Protective
- None of them
- Defense
- Catalyst



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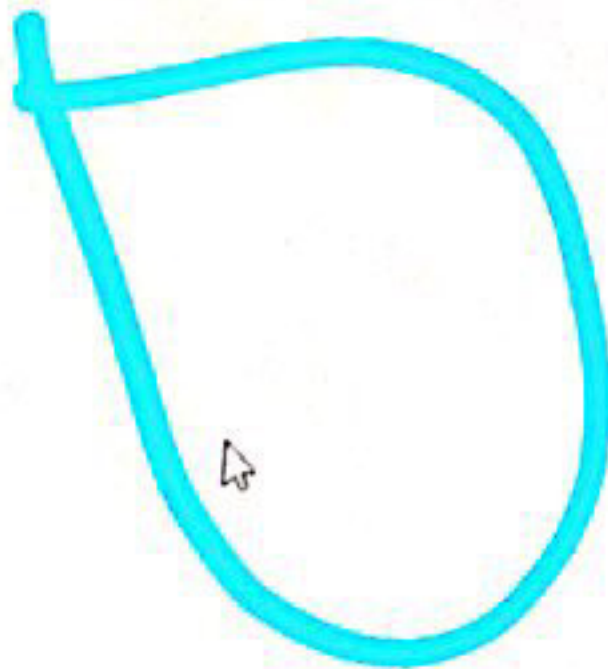
What links the arteries to the veins?

- Vessels
- Capillaries
- Aorta
- Attra

Question No. 1

DNA replication is, with each acting as a template for the synthesis of a complementary

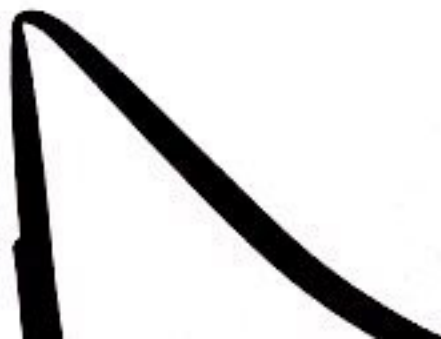
- semi-conservative, parental strand, old strand
- conservative, daughter strand, new strand
- conservative, parental strand, new strand
- Semi-conservative, parental strand, new strand



Question No. 2

What is the smallest unit of heredity?

- Gene
- Amino acid
- RNA
- Cell



Question No. 7

The salivary glands are found in.....

- Esophagus
- Small intestine
- Oral cavity
- Large intestine



..... are segments between nodes.

- Internodes
- Intracellular
- Intercellular
- roots

A

Question No. 7

The salivary glands are found in.....

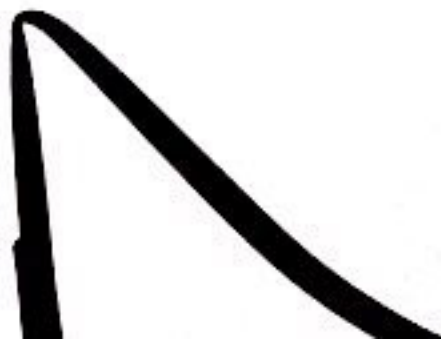
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..... are segments between nodes.

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A

Question No. 14

Genetic information flow as

- DNA \rightarrow RNA \rightarrow Protein
- Protein \rightarrow RNA \rightarrow DNA
- RNA \rightarrow DNA \rightarrow Protein
- DNA \rightarrow Protein \rightarrow RNA

A

Question No. 3

The transport of substances through proteins pumps is considered as

- Exocytosis
- Facilitated diffusion
- Passive transport
- Active transport

D

Question No. 3

Which is the largest among the followings?

- Nucleotide
- Phosphate
- Carbon
- Nitrogenous base

Question No. 1

In alveoli _____

- Blood takes up carbon dioxide and drops off oxygen
- Blood mixes with hemoglobin
- Blood mixes gases
- Blood takes up oxygen and drops off carbon dioxide

D

Question No. 8

Which of These molecules form the core of a cell's ribosomes?

- rRNA
- mRNA
- DNA
- tRNA

A

Question No. 14

Which of these is the correct airflow pattern during inhalation

- Nasal cavity → Lungs → Pharynx → Trachea
- Trachea → Nasal cavity → Bronchi → Lungs
- Nasal cavity → Trachea → Bronchi → Lungs
- Bronchi → Lungs → Trachea → Nasal cavity

Question No. 3

The type of sugar in DNA nucleotide is.....

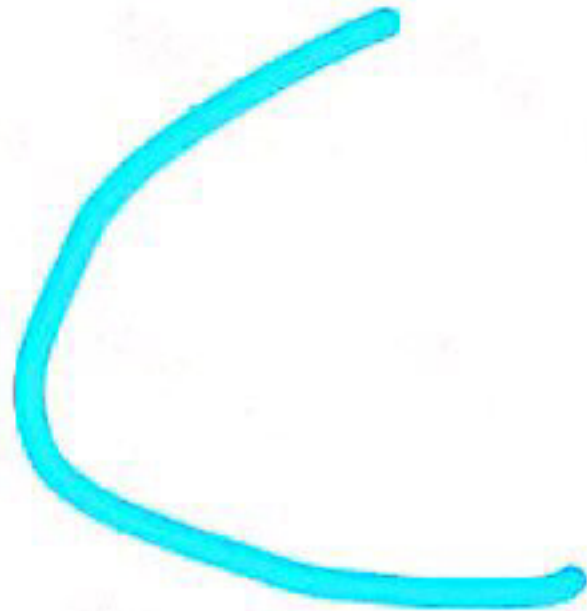
- Maltose
- Fructose
- Deoxyribose
- Ribose



Question No. 2

Photpsynthesis converts light energy into chemical energy stored in

- None of them
- ATP
- Sugar
- Fats



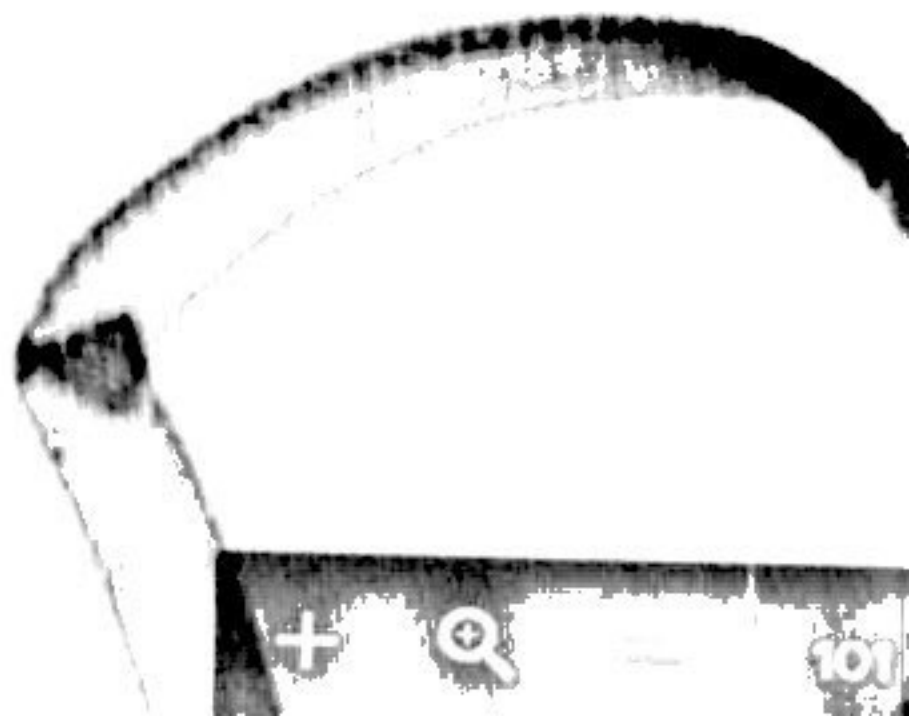
Question No. 22

The electron carrier that is involved in the glycolysis is

- FAD
- None of them
- NADP
- NAD

Cilia motion can be described as.....

- Fast, wave-like**
- Fast, rotational**
- Slow, rotational**
- Slow, wave-like**



Total questions in exam: 40 | Answered: 27

Question No. 36

Transcription and translation of a gene composed of nucleotides would form a protein containing no more than 10 amino acids.

- 4
- 54
- 6
- 45



Question No. 7

Which of these require facilitated diffusion to move through the plasma membrane?

- Complex sugars
- Proteins
- Fatty acids
- Water

Question No. 32

The body system which eliminates food wastes is the

- Nervous
- Skeletal
- Circulatory
- Digestive

D

Question No. 20

After DNA replication, each new DNA will contain

- 100% of the parent DNA
- 75% of the parent DNA
- 50% of the parent DNA
- 25% of the parent DNA

Question No. 10

Autotrophic means organisms that

- Produce light energy using food
- Do not produce their food
- Do not produce light
- Produce their own food

D

Question No. 6

Which of these structures is NOT part of the digestive tract?

- Esophagus
- Stomach
- Liver
- Small intestine



Total questions in exam: 40 | Answered: 11

Question No. 3

Which of the following membrane activities require energy from ATP?

- Movement of water into a cell
- Na⁺ ions moving out of the cell
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B

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Question No. 7

A plant's flowers are closely related to which function?

- Support
- Reproduction
- Protection
- Food production

Question No. 1

The function of the stigma is to

- capture pollen
- provide nutrients to the developing embryo
- produce pollen
- conduct pollen to the ovary

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Question No. 4

Which epithelial tissue lines the esophagus?

- Simple squamous
- Cardiac muscles
- Stratified squamous
- Simple columnar

Question No. 6

Skeletal muscles are connected to bones by means of

- Cartilage
- Ligaments
- Tendons
- Adipose tissue



Question No. 4

Blood is

- A muscle tissue
- An epithelial tissue
- A nervous tissue
- A connective tissue



Question No. 30

Cellular respiration occurs

- in 5 main stages
- in 4 main stages
- in 2 main stages
- in 3 main stages

D

Total questions in exam: 40 | Answered: 20

Question No. 29

The distribution of odor throughout the place is an example of

- Exocytosis
- Simple diffusion
- Facilitated diffusion
- Osmosis

Question No. 5

Light energy changes into chemical energy in plants by

- Respiration
- Diffusion
- Glycolysis
- Photosynthesis



Total questions in exam: 40 | Answered: 27

Question No. 28

The sugar ribose has

- one less oxygen than deoxyribose
- Two more oxygen than deoxyribose
- Two less oxygen than deoxyribose
- one more oxygen than deoxyribose

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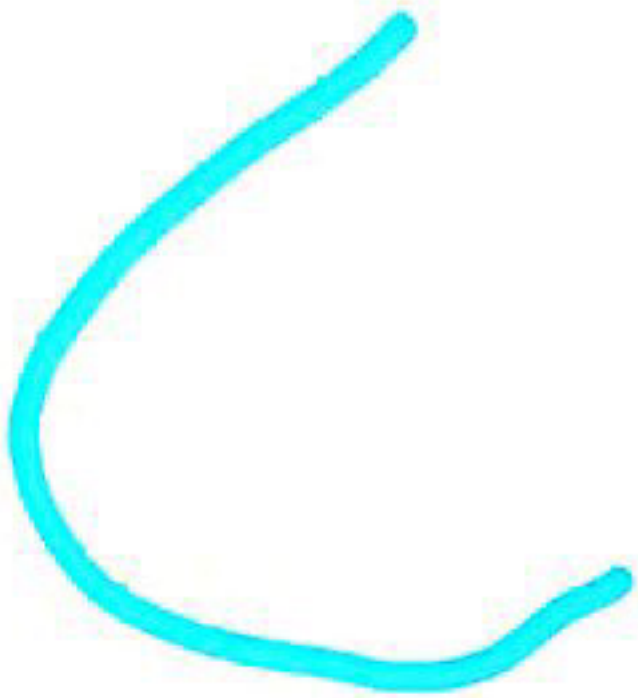
- rRNA
- mRNA
- DNA
- tRNA

A

Question No. 7

The salivary glands are found in.....

- Esophagus
- Small intestine
- Oral cavity
- Large intestine



Question No. 31

Which of these muscles is involuntary?

- Only skeletal muscles
- Cardiac and smooth muscles
- Only smooth muscles
- Only cardiac muscles

B

Question No. 2

Which of the following is not a type of vessel?

- vein
- Atrium
- Artery
- Capillary

B

Question No. 2

Which of the following is not a type of vessel?

- vein
- Atrium
- Artery
- Capillary

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Question No. 5

Light energy changes into chemical energy in plants by

- Respiration
- Diffusion
- Glycolysis
- Photosynthesis



Question No. 4

Blood is

- A muscle tissue
- An epithelial tissue
- A nervous tissue
- A connective tissue



Question No. 8

Competitive inhibitors

- Compete with coenzymes
- Changes enzyme 3D
- None of them
- Competes with active site

Question No. 3

..... are tissues which cause voluntary movement of the body.

- Cardiac muscle
- All answers are correct
- Smooth muscle
- Skeletal muscle



Question No. 4

..... joins the leaf to a node.

- Petals
- Root
- Petiole
- Stem



Question No. 4

Oxidative phosphorylation is:

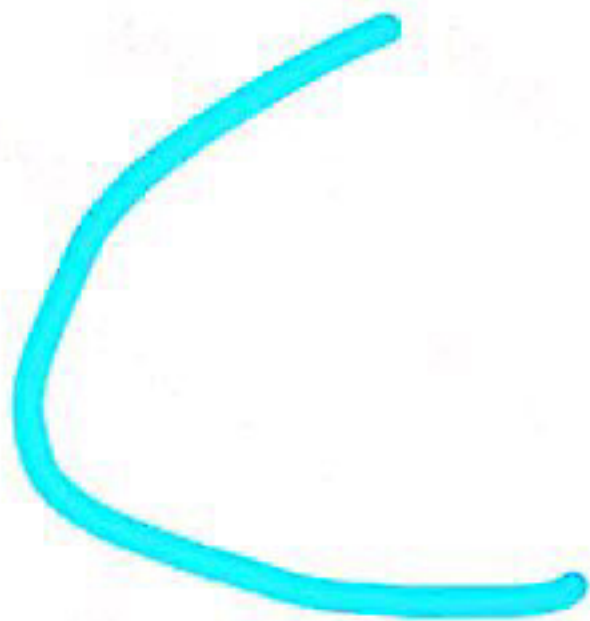
- Produced most ATP molecules in the cell
- Stage during which oxygen is reduced to water
- All answers are correct
- 3rd stage of aerobic cellular respiration



Question No. 2

Photpsynthesis converts light energy into chemical energy stored in

- None of them
- ATP
- Sugar
- Fats



Total questions in exam: 40 | Answered: 5

Question No. 11

Fish exchange gases through

- Lungs
- Tracheal system
- Gills
- Body surface

Question No. 20

What is the role of messenger RNA?

- To take amino acids to the ribosome
- To bring the DNA message to the mitochondrion
- To bring the DNA message to the ribosome
- To bring the tRNA message to the nucleus



No. 40

exchange of gases through their

Nose

Lungs

Tracheal system

Gills

3

Total questions in exam: 40 | Answered: 1

Question No. 15

What is the most likely pathway taken by a newly synthesized protein that will be secreted by a cell?

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

Total questions in exam: 40 | Answered: 1

Question No. 15

What is the most likely pathway taken by a newly synthesized protein that will be secreted by a cell?

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

Total questions in exam: 40 | Answered: 23

Question No. 1

Which one of the following organs does not affect the digestion process?

- Pancreas
- Tongue
- Salivary glands
- Gall bladder

Question No. 3

Which of the following membrane activities require energy from ATP?

- Movement of water into a cell
- Na⁺ ions moving out of the cell
- Movement of carbon dioxide outside cells
- Movement of glucose molecules

Question No. 29

Plant and animal cells carry out photosynthesis. This is an incorrect sentence because

- Only animals carry out photosynthesis
- Plants do not carry out photosynthesis
- Only plants carry out photosynthesis
- Plants and animals do not carry out photosynthesis

What is the function of nasal cavity?

- Warm air
- Filter air
- Moisten air
- All answers are correct

Question No. 20

What is the role of messenger RNA?

- To take amino acids to the ribosome
- To bring the DNA message to the mitochondrion
- To bring the DNA message to the ribosome
- To bring the tRNA message to the nucleus

Total questions in exam: 40 | Answered: 5

Question No. 3

In prokaryotic cell, which of these processes occur in the nucleus?

- Translation
- Replication
- Transcription
- None of them

Question No. 7

Which of the following contains hydrolytic enzymes?

- mitochondrion
- Golgi apparatus
- Vacuole
- Lysosome

Question No. 4

In the body tissues, blood

- drops off O_2 and picks up CO_2
- drops off CO_2 and picks up O_2
- drops off O_2 and picks up N_2
- drops off N_2 and picks up CO_2

Question No. 32

Following fertilization, the ovary develops into a

- Fruit, seed
- Sepals, Petals
- Fruit, leave
- Stamens, Carpals

... and ovule forms the

Total questions in exam: 40 | Answered: 9

Question No. 6

..... is made of blades and petioles

- roots
- leaves
- flowers
- stems

Question No. 8

Which of These molecules form the core of a cell's ribosomes?

- rRNA
- mRNA
- DNA
- tRNA

Question No. 31

Trachea branches into

- One bronchus
- Three bronchi
- Two bronchi
- Four bronchi

before entering the lungs

Total questions in exam: 40 | Answered: 0

Question No. 37

..... located near the shoot tip and causes elongation of a young shoot

- Leaves
- Axillary bud
- Flowers
- Terminal bud

Question No. 9

How do germinating seeds get the food they need to grow?

- From their food store
- From the soil
- From leaves
- By photosynthesis

Total questions in exam: 40 | Answered: 5

Question No. 3

In prokaryotic cell, which of these processes occur in the nucleus?

- Translation
- Replication
- Transcription
- None of them

Total questions in exam: 40 | Answered: 9

Question No. 31

Which organ system does the pharynx belongs to?

- Digestive and Respiratory
- Digestive only
- Nervous
- Respiratory only

Question No. 7

The salivary glands are found in.....

- Esophagus
- Small intestine
- Oral cavity
- Large intestine

Question No. 5

Chlorophyll

- Protects plant from excessive heat**
- Helps plants in cellular respiration**
- Helps plants in movement**
- Help plants carry out photosynthesis**

Question No. 6

The DNA replication takes place in

- Ribosomes
- Nucleus
- Cell membrane
- Cytoplasm

Question No. 10

Autotrophic means organisms that

- Produce light energy using food
- Do not produce their food
- Do not produce light
- Produce their own food

Question No. 2

Photpsynthesis converts light energy into chemical energy stored in

- None of them
- ATP
- Sugar
- Fats

Question No. 2

What is the smallest unit of heredity?

- Gene
- Amino acid
- RNA
- Cell



Question No. 3

The transport of substances through proteins pumps is considered as

- Exocytosis
- Facilitated diffusion
- Passive transport
- Active transport

Question No. 3

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

- Osmotic pressure
- Equilibrium
- Pinocytosis
- Maximum concentration



Question No. 4

Oxidative phosphorylation is:

- Produced most ATP molecules *in the cell*
- Stage during which oxygen is reduced to water
- All answers are correct
- 3rd stage of aerobic cellular respiration

Question No. 1

In alveoli _____

- Blood takes up carbon dioxide and drops off oxygen
- Blood mixes with hemoglobin
- Blood mixes gases
- Blood takes up oxygen and drops off carbon dioxide



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Question No. 2

Which of the following is not a type of vessel?

- Vein
- Atrium
- Artery
- Capillary

Question No. 10

RNA is translated into protein by using...

- Monosaccharide language
- nucleotide language
- Fatty acid language
- amino acid language

Question No. 9

The longest part of the digestive tract is the.....

- Stomach
- Esophagus
- Small intestine
- Large intestine



Question No. 4

To block the action of an enzyme , non-competitive inhibitors change the shape of the

- Hormone
- Active site
- Receptor
- Substrate

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Question No. 5

The trachea is found in the _____ system

- Digestive
- Nervous
- Circulatory
- Respiratory

Question No. 4

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Question No. 2

Which of the following is not a type of vessel?

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- Artery
- Capillary

Question No. 6

Enzymes are polymers of.....

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

Question No. 7

Which of the following contains hydrolytic enzymes?

- mitochondrion
- Golgi apparatus
- Vacuole
- Lysosome

Question No. 8

Water passes quickly through cell membranes because

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

Question No. 3

The type of sugar in DNA nucleotide is.....

- Maltose
- Fructose
- Deoxyribose
- Ribose

Question No. 5

Simply, transcription is copying

- Proteins from DNA
- mRNA from proteins
- mRNA from DNA
- Proteins from mRNA

Question No. 4

Charged ions are traveling through protein channels in the plasma membrane with the concentration gradient is considered as

- Simple diffusion
- Facilitated diffusion
- Active transport
- Endocytosis

Question No. 4

..... joins the leaf to a node.

- Petals
- Root
- Petiole
- Stem

Question No. 5

The structure of Uracil (U) is very similar to ..

- Adenine (A)
- Cytosine (C)
- Guanine (G)
- Thymine (T)

Question No. 1

Which structure is common in animal and plant cells?

- Lysosomes
- All answers are correct
- Cell wall
- Nucleus

Question No. 8

Which of These molecules form the core of a cell's ribosomes?

- rRNA
- mRNA
- DNA
- tRNA

Question No. 3

What are the inputs in the equation of cellular respiration?

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

Question No. 2

In an animal cell, DNA may be found in the.....

- Nucleus and mitochondria
- Chloroplasts and nucleolus
- Lysosomes and nucleus
- Chloroplast and mitochondria

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Question No. 10

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- Do not produce their food
- Do not produce light
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- Fats



Question number
Simply, translation is a copy of

- DNA from DNA
- Protein from RNA
- RNA from DNA
- DNA from Mima

Question No. 6

Which of these structures is **NOT** part of the digestive tract?

- Esophagus
- Stomach
- Liver
- Small intestine

Question No. 2

Which of the following is not a type of vessel?

- vein
- Atrium
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Question No. 4

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- Active site
- Receptor
- Substrate

Question No. 36

Where the chyme is produced?

- Stomach
- Mouth
- Liver
- Pancreas

Question No. 2

Which of the following is not a type of vessel?

- Vein
- Atrium
- Artery
- Capillary

Question No. 4

To block the action of an enzyme, non-competitive inhibitors change the shape of the

- Hormone
- Active site
- Receptor
- Substrate



Muscle tissues function in ...

- Movement
- Protection
- Sensation
- Communication

Cartilage matrix is made of embedded in rubbery material

- Fat droplets
- Calcium salts
- Collagen fibers
- Blood plasma

Question No. 35

The air sacs inside lungs are called _____

- Bronchi
- Trachea
- Alveoli
- Larynx

Question No. 34

Heterotrophs means organisms that.....

- Produce their food using light
- Produce their food using chemicals
- Produce light using food
- Depend on others for food

Question No. 34

The main organ of photosynthesis in plant is

- Buds
- Root
- Leaf
- Stem

Total questions in exam: 40 | Answered: 11

Question No. 35

The source of glucose generated in photosynthesis is

- Oxygen
- Carbon dioxide
- Pyruvate
- Water

Question No. 39

_____ is the name of the plant tissue where the highest number of chloroplasts could be found.

- Nanophyll
- Megaphyll
- Mesophyll
- Microphyll

Total questions in exam: 40 | Answered: 11

Question No. 29

The distribution of odor throughout the place is an example of ...

- Exocytosis
- Simple diffusion
- Facilitated diffusion
- Osmosis

Total questions in exam: 40 | Answered: 11

Question No. 31

Which organ system does the pharynx belongs to?

- Digestive and Respiratory
- Digestive only
- Nervous
- Respiratory only

Total questions in exam: 40 | Answered: 11

Question No. 32

Which enzyme is responsible for adding nucleotides to new DNA chain ?

- DNA helicase
- DNA polymerase
- RNA primase
- DNA ligase

Question No. 39

What are the inputs in the equation of cellular respiration?

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

Question No. 38

Which of the following is function(s) of roots in plant?

- fixation
- storing food
- absorption
- all answers are correct

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Question No.

Translation of information on RNA occurs in the

- Cytoplasm
- Nucleus
- Mitochondria
- Chloroplast

Question No. 17

What is pollination?

- The transfer of pollen from stigma to anther
- The transfer of pollen from stigma to ovary
- The transfer of pollen from anther to stigma
- None of them

Question No. 21

Cellular drinking is called

- Pinocytosis
- Phagocytosis
- Exocytosis
- All the answers are correct

Skeletal muscles are connected to bones by means of

- Cartilage
- Ligaments
- Tendons
- Adipose tissue

Question No. 21

Cellular drinking is called

- Pinocytosis
- Phagocytosis
- Exocytosis
- All the answers are correct

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Question No. 40

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- RNA from DNA
- Protein from RNA
- DNA from Mrna

Question No. 39

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- Water and glucose

Question No. 9

Exercise

- Increases LDL levels
- Decreases HDL levels
- Increases HDL levels
- All answers are correct

Question No. 8

In DNA, which of the following base pairing is TRUE?

- Adenine (A) – Guanine (G)
- Cytosine (C) – Thymine (T)
- Guanine (G) – Cytosine (C)
- Thymine (T) – Uracil (U)

Question No. 7

Water passes quickly through cell membranes because

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Total questions in exam: 40 | Answered: 5

Question No. 11

Fish exchange gases through

- Lungs
- Tracheal system
- Gills
- Body surface

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Question No. 6

..... is made of blades and petioles

- roots
- leaves
- flowers
- stems

Total questions in exam: 40 | Answered: 9

Question No. 7

In the digestive tract, the absorbs H₂O to give semi-so

- Esophagus
- Large intestine
- Small intestine
- Stomach

Total questions in exam: 40 | Answered: 9

Question No. 8

Minimum energy a resting animal requires each day to live is called.....

- Respiration rate
- Metabolic rate
- Basal metabolic rate BMR
- Energy resting rate

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Question No. 4

In the body tissues, blood

- drops off O_2 and picks up CO_2
- drops off CO_2 and picks up O_2
- drops off O_2 and picks up N_2
- drops off N_2 and picks up CO_2

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Question No. 10

What was the alteration to the veins?

- Vein
- Aorta
- Capillaries
- Artery

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Question No. 9

How do germinating seeds get the food they need to grow?

- From their food store
- From the soil
- From leaves
- By photosynthesis

Question No. 14

Digestive enzymes

- Eliminate food
- Hydrolyse food
- Move food
- Absorb food