



تجميعات فرعون

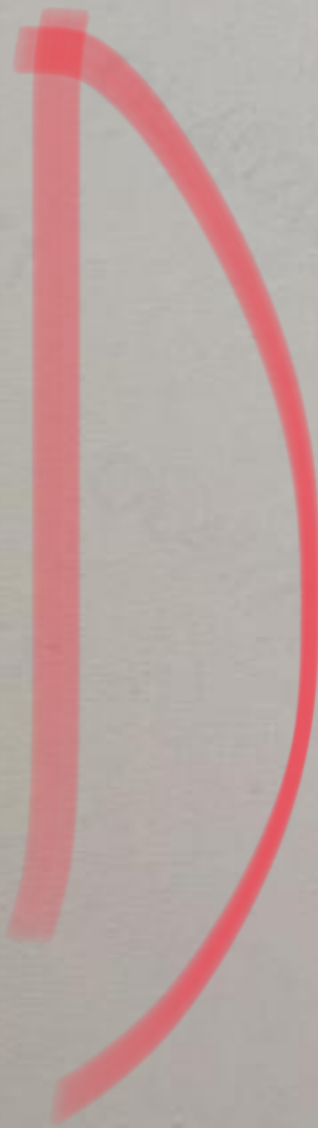


Total questions in exam: 40 | Answered: 11

Question No. 26

..... are made up of tissues that perform specific functions.

- Muscles
- Organ systems
- Organs
- Cells





Which of the following membrane activities require energy from ATP?

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

B

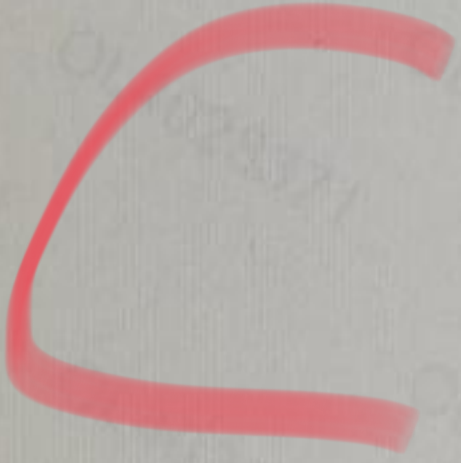


Total questions in exam: 40 | Answered: 22

Question No. 13

Chemical reactions that break down a complex molecule is .....

- osmosis
- Metabolism
- Catabolism
- Anabolism





Total questions in exam: 40 | Answered: 22

Question No. 13

Chemical reactions that break down a complex molecule is .....

- osmosis
- Metabolism
- Catabolism
- Anabolism

~~BR~~  
C

Question No. 1

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

- ribosomes
- chloroplast
- Golgi apparatus
- mitochondria



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Question No. 23

Ribosomal subunits are manufactured by the.....

- ribosomes
- smooth ER
- nucleolus
- Golgi apparatus

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Question No. 4

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

- All answers are correct
- Epithelial
- Connective
- Nervous





Question No. 3

Cells import useful solids and fluids by.....

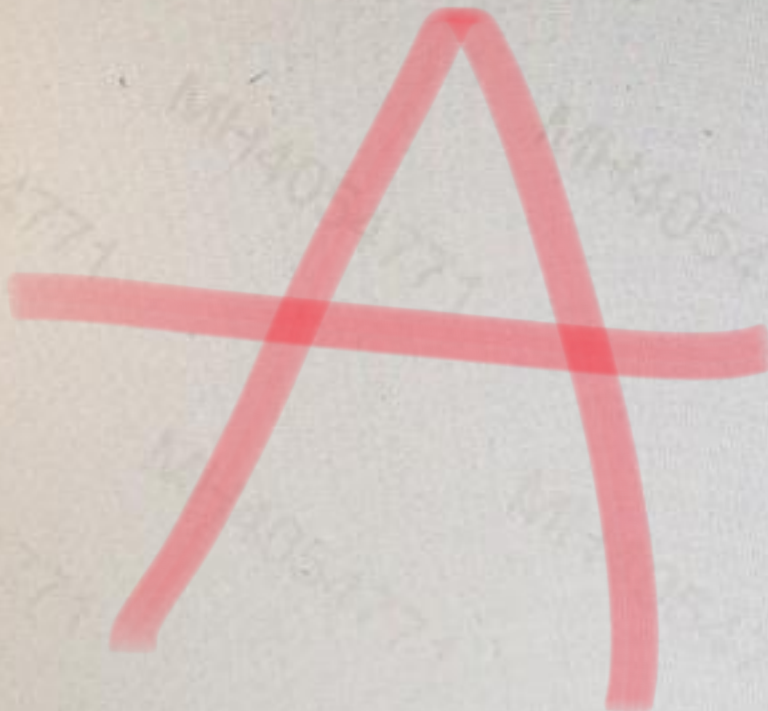
- Endocytosis
- Exocytosis
- Phagocytosis
- Osmosis



Question No. 3

Cells import useful solids and fluids by.....

- Endocytosis
- Exocytosis
- Phagocytosis
- Osmosis





Total questions in exam: 40 | Answered: 0

Question No. 4

Excess energy is stored as .....

- Minerals
- Vitamins
- Water
- glycogen or fat

D

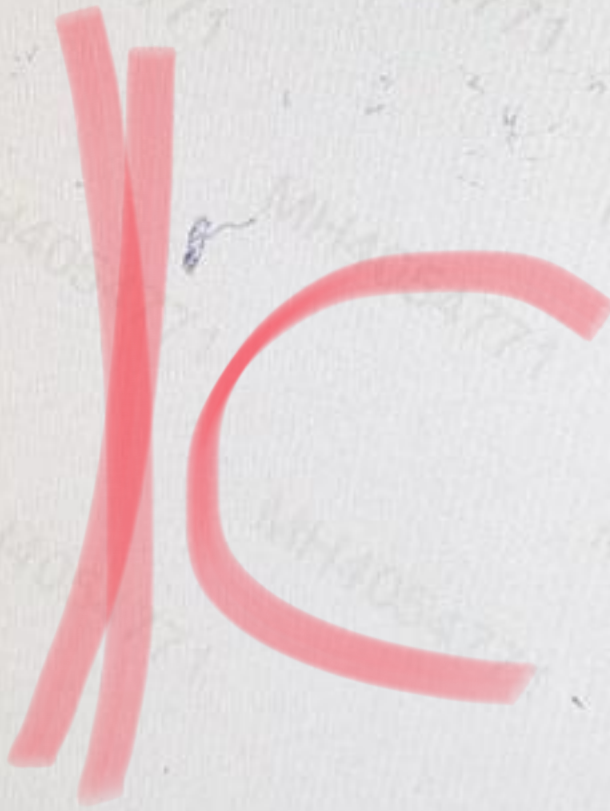


Total questions in exam: 40 | Answered: 0

Question No. 5

Ribosomes attached to the rough endoplasmic reticulum and the nuclear envelop are called.

- Smooth ribosomes
- Vacuoles
- Bound ribosomes
- Free ribosomes



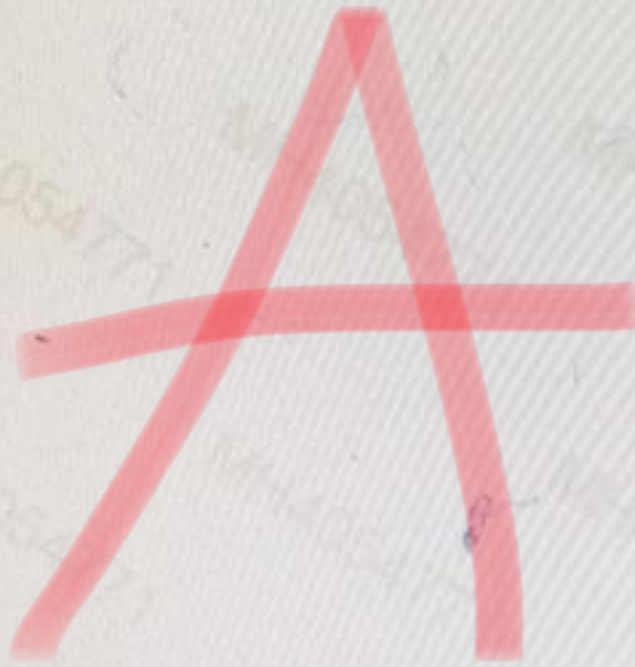


Total questions in exam: 40 | Answered: 0

Question No. 6

Cardiac muscles are only found in the .....

- Heart
- Mouth
- Stomach
- Brain





Total questions in exam: 40 | Answered: 0

Question No. 7

DNA is.....

- Composed of 4 polynucleotide chains
- Composed of 8 polynucleotide chains
- Composed of 6 polynucleotide chains
- Composed of 2 polynucleotide chains

D

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Total questions in exam: 40 | Answered: 0

Question No. 8

Cilia could be found only in \_\_\_\_\_

- Prokaryotic cells
- None of them
- Bacteria
- Eukaryotic cells

D

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Total questions in exam: 40 | Answered: 0

Question No. 9

What prevents the acid from digesting the stomach walls?

- Renewal of stomach cells every 3 days
- Salivary enzymes
- Acidic pancreatic juice
- Stomach walls produce enzymes

A

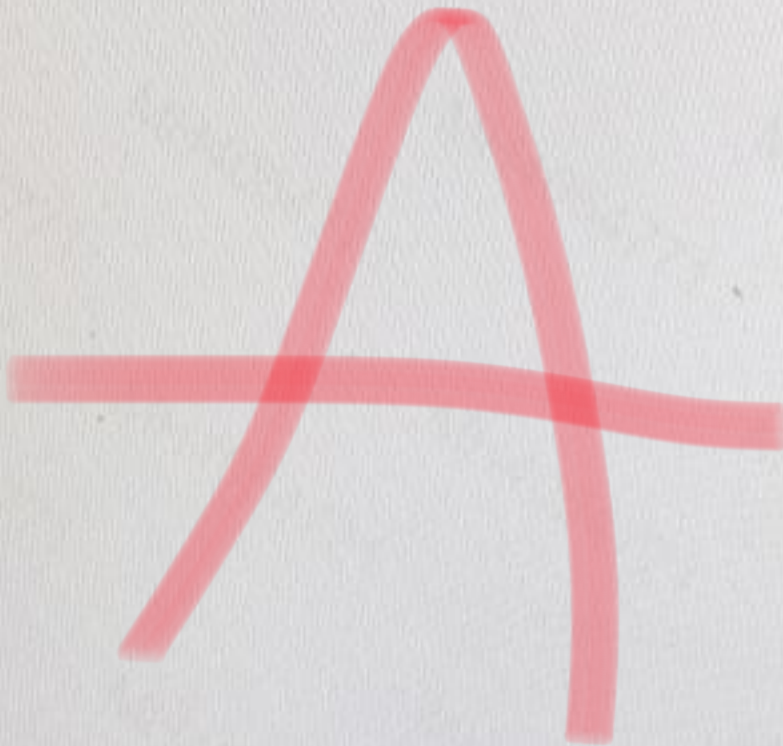


Total questions in exam: 40 | Answered: 0

Question No. 12

What do the cell walls of plants and the extracellular matrix of animal cells have in common?

- They provide structural support for cells
- It is the site for RNA synthesis
- They are composed of phospholipids and glycoproteins
- Their proteins are made by free cytoplasmic ribosomes

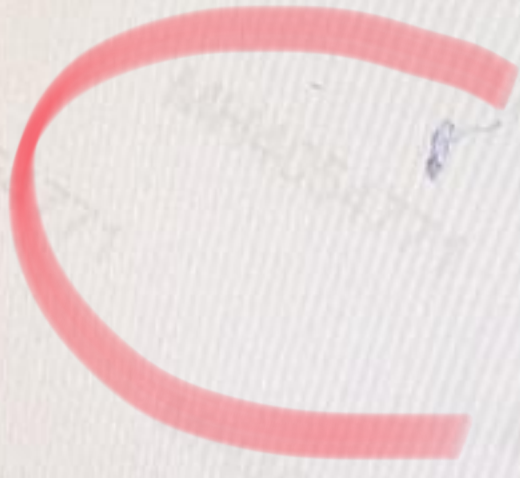




Question No. 13

When we swallow, epiglottis closes \_\_\_\_\_

- Larynx
- Bronchi
- Trachea
- Pharynx



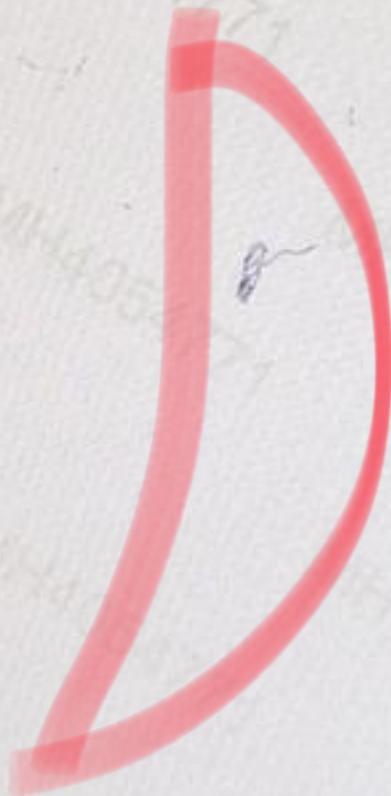


Total questions in exam: 40 | Answered: 0

Question No. 14

Simply, transcription is copying .....

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



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Total questions in exam: 40 | Answered: 0

Question No. 15

The breakdown and building processes in the body are called .....

- Catabolism
- Nanobolism
- Metabolism
- Anabolism



Total questions in exam: 40 | Answered: 0

Question No. 21

What is the name of the chemical where the energy is stored during the first phase of photosynthesis?

- ATP
- Water
- Carbon Dioxide
- Oxygen

A



Total questions in exam: 40 | Answered: 0

Question No. 22

The electron carrier that is involved in the glycolysis is .....

- FAD
- None of them
- NADP
- NAD

D



Question No. 4

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

- Hormone
- Active site
- Receptor
- Substrate

B



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<sup>+</sup> ions moving out of the cell
- Movement of carbon dioxide outside cells
- Movement of glucose molecules

B

✓





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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

A ✓

Total questions in exam: 40 | Answered: 0

Question No. 7

Which of the following contains hydrolytic enzymes?

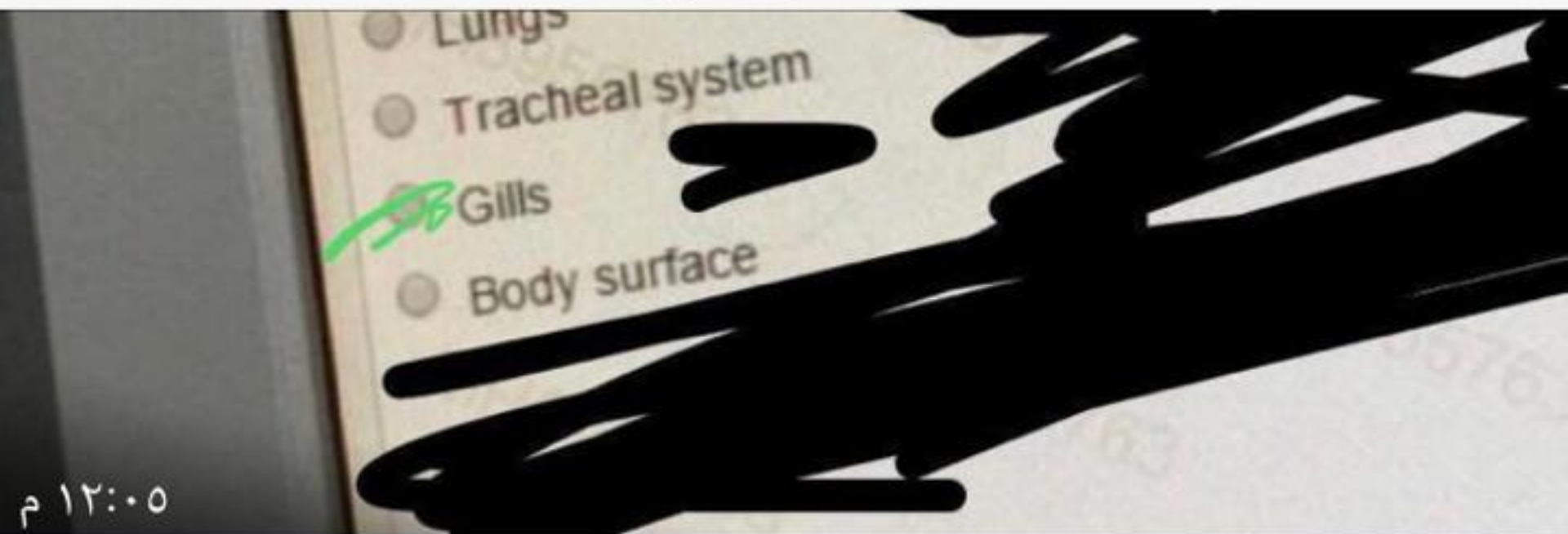
- mitochondrion
- Golgi apparatus
- Vacuole
- Lysosome



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تحديد



١٢:٠٥ م

Total questions in exam: 40 | Answered: 0

## Question No. 4

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

- Petals
- Root
- Petiole
- Stem

Handwritten in black ink: ~~د~~

Handwritten in red ink: C

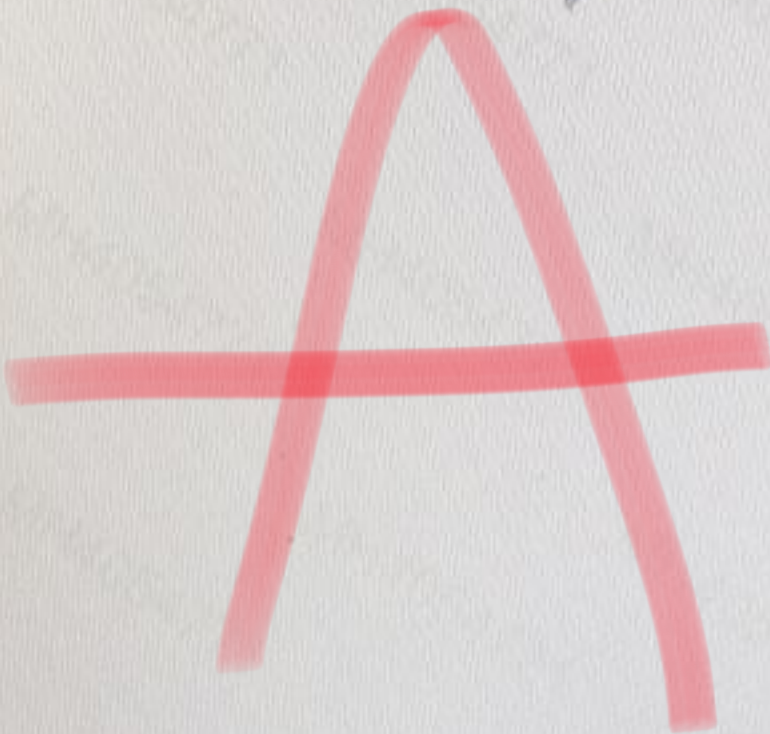


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Question No. 12

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- It is the site for RNA synthesis
- They are composed of phospholipids and glycoproteins
- Their proteins are made by free cytoplasmic ribosomes





Question No. 4

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

- Hormone
- Active site
- Receptor
- Substrate

✓ B

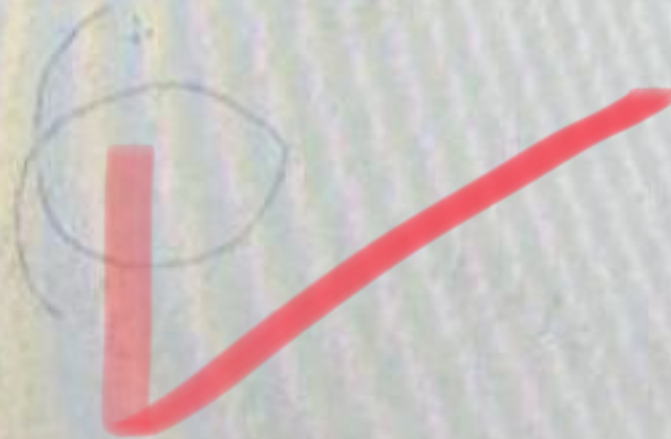


Total questions in exam: 40 | Answered: 0

Question No. 36

..... Is th male organ in flowering plants

- petals
- stamens
- stigma
- carples



**B**



Total questions in exam: 40 | Answered: 0

Question No. 6

Enzymes are polymers of.....

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

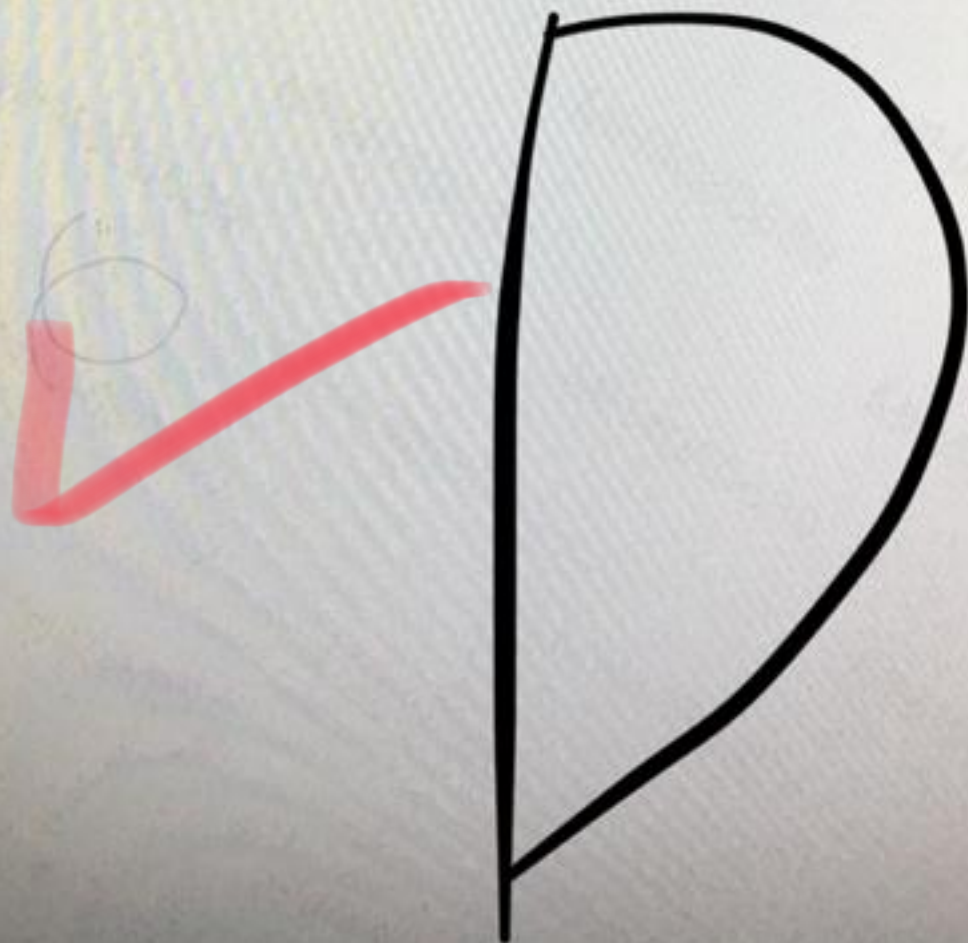
B

Total questions in exam: 40 | Answered: 0

Question No. 39

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

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





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. 22

The tissues are higher levels than.....

- Organism
- Organ systems
- Organs
- Cells



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Question No. 24

Skeletal muscles are connected to bones by means of .....

- Adipose tissue
- Tendons
- Ligaments
- Cartilage

B

Question No. 27

In the small intestine.....

- Wastes are expelled
- Food is digested and absorbed
- Water is absorbed from un-digested food
- Food is chewed

B



Total questions in exam: 40 | Answered: 5

Question No. 11

Fish exchange gases through

- Lungs
- Tracheal system
- Gills
- Body surface

C



In fish, gas exchange is enhanced by:

- Elimination
- Emulsion
- Ventilation
- Contraction

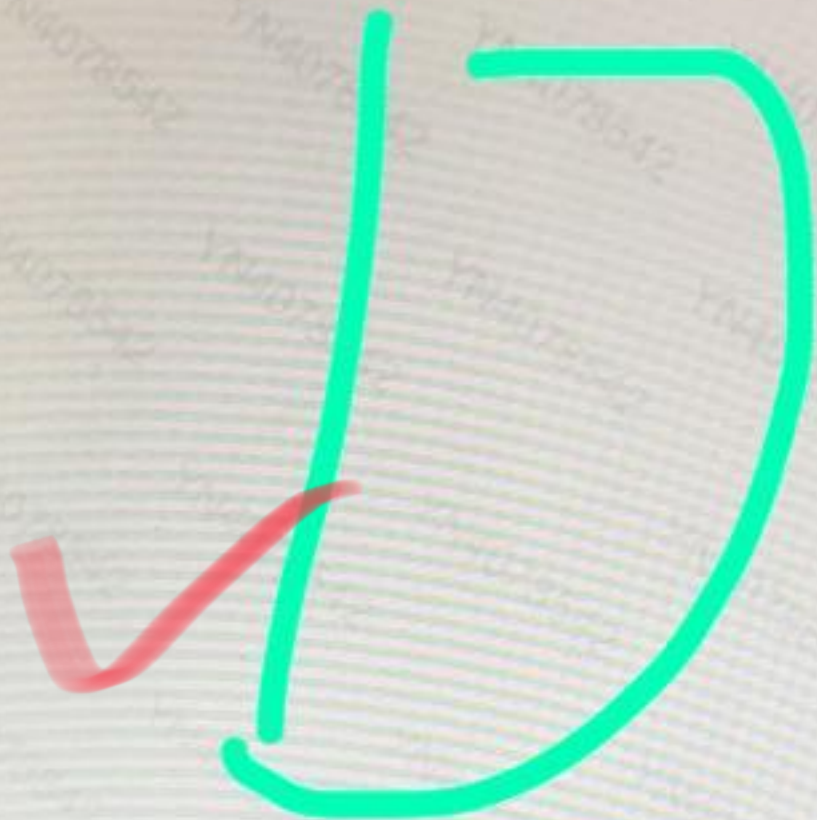




Question No. 23

Blood is .....

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



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Total questions in exam: 40 | Answered: 0

## Question No. 1

Which one of the following statement is NOT TRUE about diffusion?

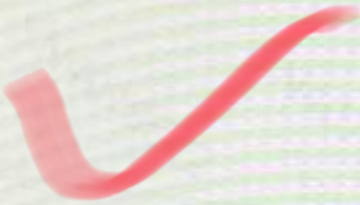
- It does not require energy
- It does not need a semi-permeable membrane
- It needs a semi-permeable membrane
- Molecules move from high concentration areas to low concentration areas



Question No. 3  
Which of these are found in animal cell but NOT in plant cell?

- Chloroplasts and lysosomes
- Lysosomes and centrioles
- Centrioles and DNA
- Nucleus and ribosomes

B



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Question No. 4

Which of the following are epithelial tissues?

- Cuboidal - Columnar
- Bone - Cartilage
- Neurons - Blood
- Cardiac - Skeletal



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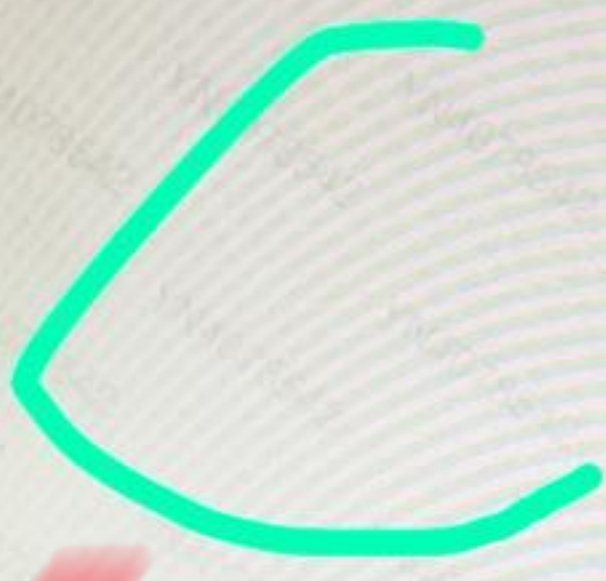
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Question No. 5

Which of these is the correct airflow pattern during inhalation?

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



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Total questions in exam: 40 | Answered: 26

## Question No. 27

After cellular respiration, muscle cells will have .....

- Less CO<sub>2</sub>
- More glucose
- More CO<sub>2</sub>
- More O<sub>2</sub>

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Total questions in exam: 40 | Answered: 5

Question No. 1

In a plant cell, DNA may be found in the.....

- Central vacuole, chloroplast, and mitochondria
- Cell wall, nucleus, and mitochondria
- Cytoplasm, mitochondria, and nucleus
- Nucleus, mitochondria, and chloroplasts





تحديد

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33 من الصور



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Total questions in exam: 40 | Answered: 0

Question No. 21

In flowers, Anther is carried on .....

- stigma
- petals
- carples
- stamens

D



Total questions in exam: 40 | Answered: 31

Question No. 32

In fish, gas exchange is enhanced by

- Contraction
- Emulsion
- Ventilation
- Elimination

~~DD~~

C

Save & Next حفظ و التالي

Question No. 29

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

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



Total questions in exam: 40 | Answered: 20

Question No. 27

Which of the following is common between glycolysis and Krebs cycle?

- They produce pyruvate
- They produce 2 ATP molecules
- All answers are correct
- They occur inside the mitochondria

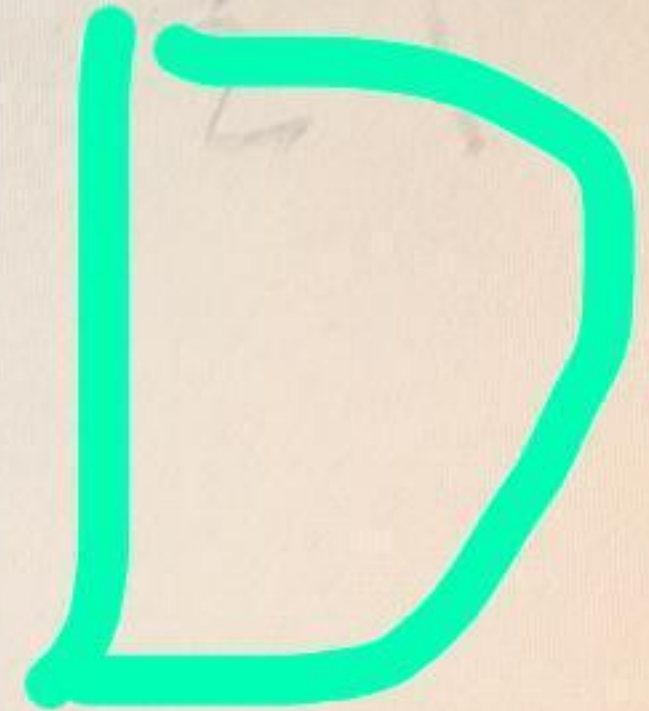
B



### Question No. 5

Chlorophyll

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





Total questions in exam: 40 | Answered: 22

Question No. 9

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

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

10



Total questions in exam: 40 | Answered: 22

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



Total questions in exam: 40 | Answered: 22

Question No. 10

A protective layer external to the plasma membrane in the cells of plants

- Cell wall
- Nucleoid
- Endoplasmic reticulum
- Nuclear envelope

A



Total questions in exam: 40 | Answered: 22

Question No. 11

The DNA replication gives two DNA molecules .....

- Each with (2) old strands
- Each with one new strand and one old strand
- One with (2) new strands but the other with (2) old strands
- Each with (2) new strands

B



Total questions in exam: 40 | Answered: 11

Question No. 28

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

- Chyme
- Feces
- Saliva
- Bile

A

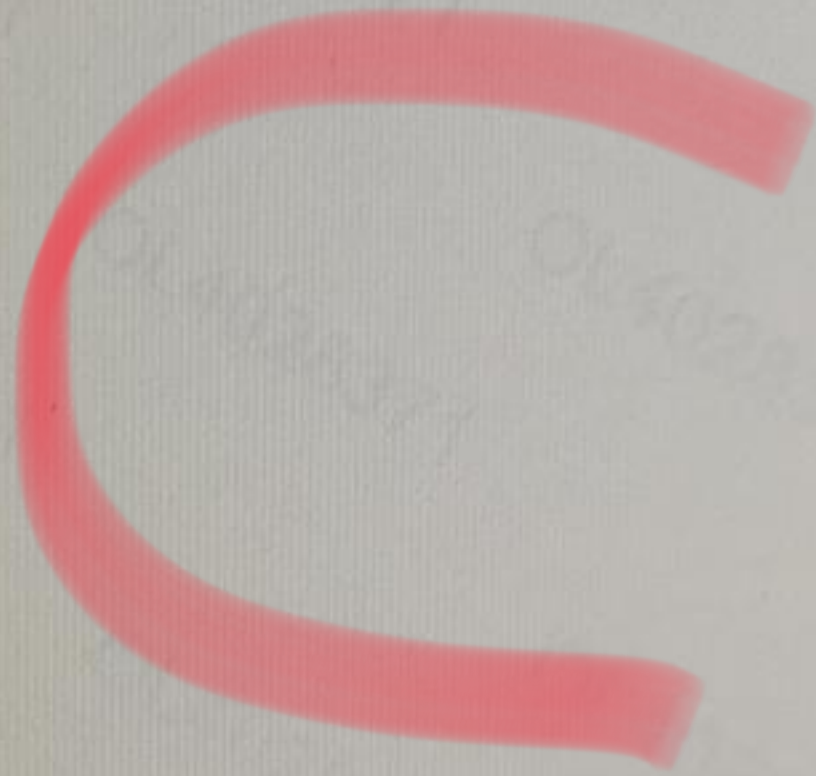


Total questions in exam: 40 | Answered: 22

Question No. 13

Chemical reactions that break down a complex molecule is .....

- osmosis
- Metabolism
- Catabolism
- Anabolism





Total questions in exam: 40 | Answered: 22

Question No. 16

Enzymes are polymers of.....

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





Total questions in exam: 40 | Answered: 0

Question No. 36

..... Is th male organ in flowering plants

- petals
- stamens
- stigma
- carples

B

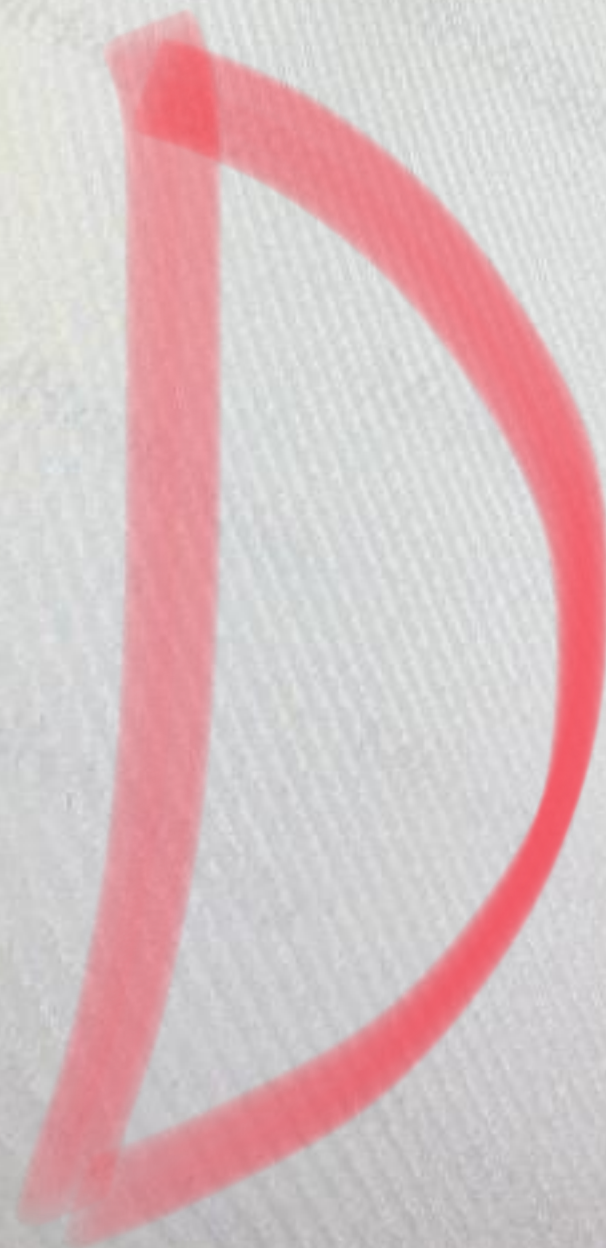


Total questions in exam: 40 | Answered: 0

Question No. 37

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

- Leaves
- Axillary bud
- Flowers
- Terminal bud



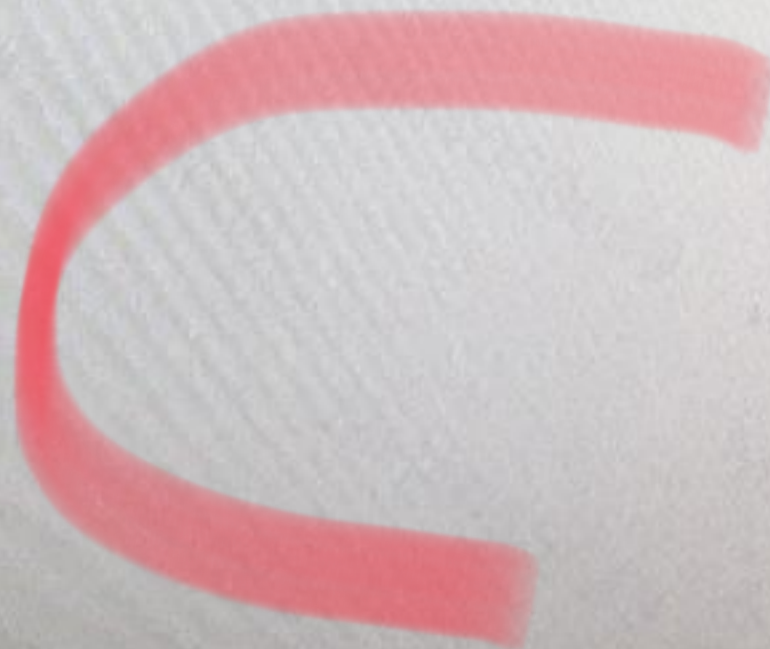


Total questions in exam: 40 | Answered: 0

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. 31

Which of these muscles is involuntary?

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

B



Question No. 2

In absence of oxygen, muscle cells supplied with pyruvate will produce .....

- Lactate
- Water
- Electrons
- Oxygen



Total questions in exam: 40 | Answered: 0

Question No. 39

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

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





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. 6

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



Question No. 7

Water passes quickly through cell membranes because .....

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



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Online Evaluation System

Total questions in exam: 40 | Answered: 5

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. 9

Exercise .....

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



Total questions in exam: 40 | Answered: 5

Question No. 11

Fish exchange gases through \_\_\_\_\_

- Lungs
- Tracheal system
- Gills
- Body surface



Question No. 4

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

- Petals
- Root
- Petiole
- Stem





Total questions in exam: 40 | Answered: 0

Question No. 5

The trachea is found in the \_\_\_\_\_ system

- Digestive
- Nervous
- Circulatory
- Respiratory



**D**



Total questions in exam: 40 | Answered: 0

Question No. 6

Enzymes are polymers of.....

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



Total questions in exam: 40 | Answered: 0

Question No. 9

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

- Stomach
- Esophagus
- Small intestine
- Large intestine





Total questions in exam: 40 | Answered: 0

Question No. 10

RNA is translated into protein by using...

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



Total questions in exam: 40 | Answered: 0

Question No. 40

What is pollination?

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

1 C

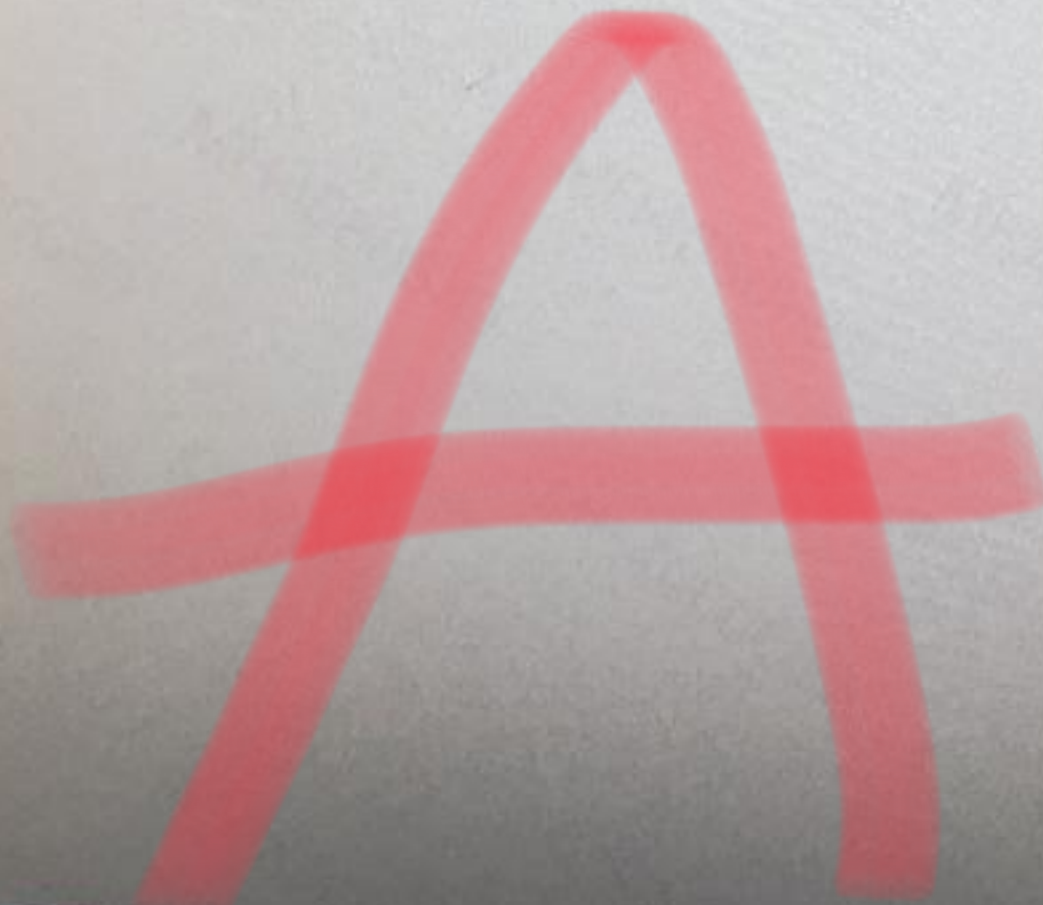


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Question No. 8

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





Total questions in exam: 40 | Answered: 0

Question No. 7

Which of the following contains hydrolytic enzymes?

- mitochondrion
- Golgi apparatus
- Vacuole
- Lysosome

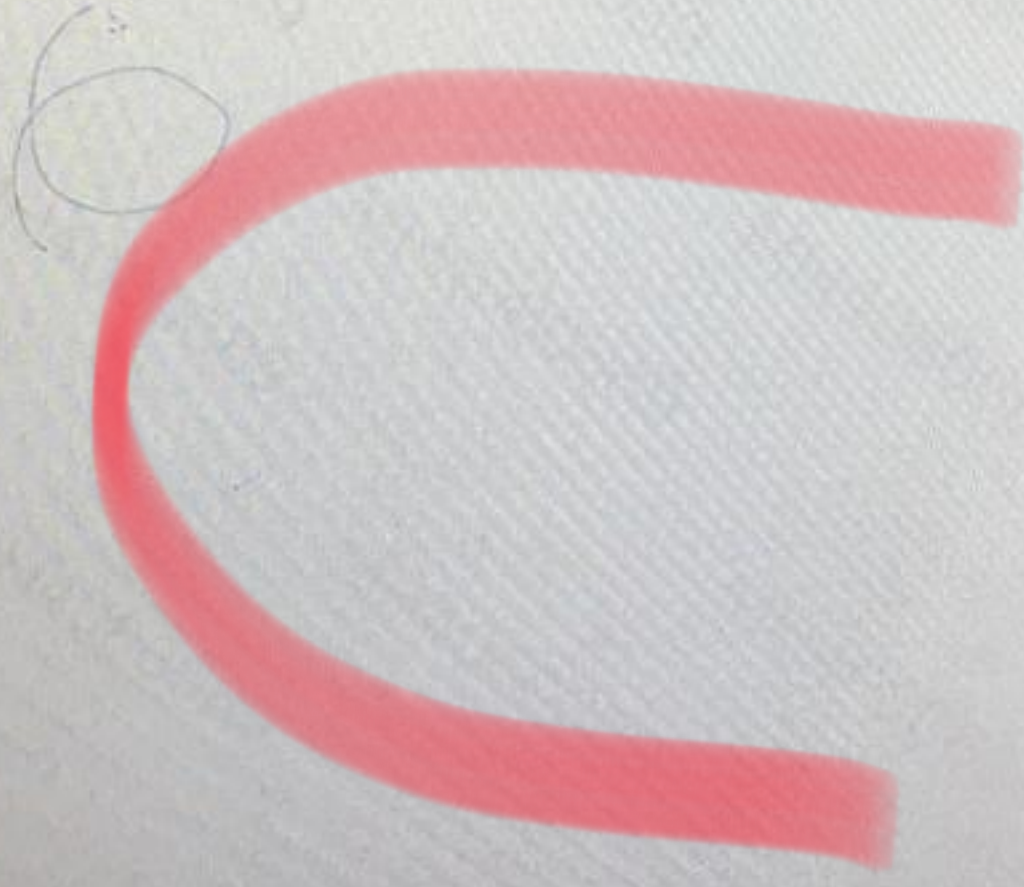




Question No. 2

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

A



Question No. 2

Photpsynthesis converts light energy into chemical energy stored in .....

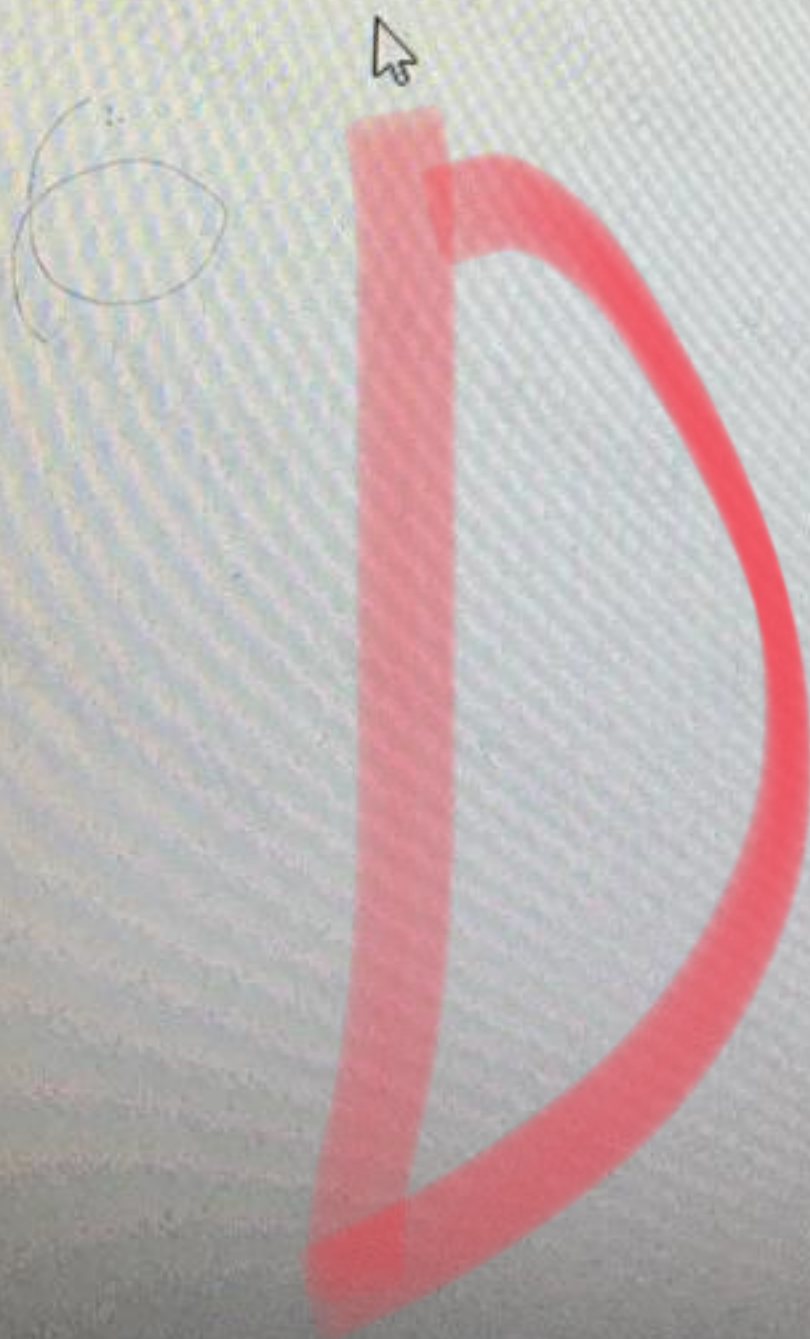
- None of them
- ATP
- Sugar
- Fats



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. 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. 2

Which of the following is not a type of vessel?

- vein
- Atrium
- Artery
- Capillary

B



## Question No. 4

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

- Hormone
- Active site
- Receptor
- Substrate

**B**



Question No. 3

The transport of substances through proteins pumps is considered as .....

- Exocytosis
- Facilitated diffusion
- Passive transport
- Active transport

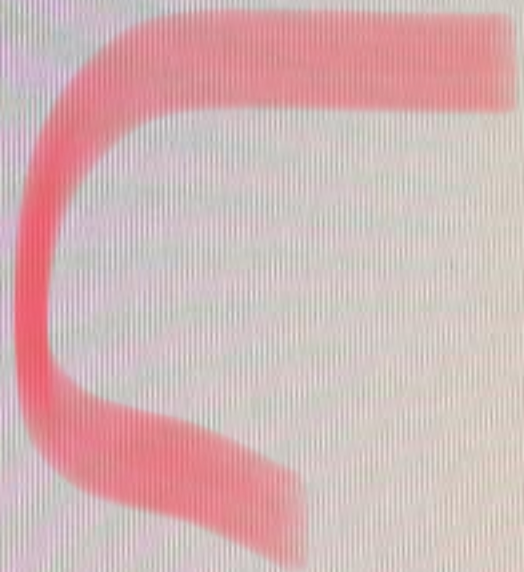




**Question No. 4**

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. 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. 3**

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

- Osmotic pressure
- Equilibrium
- Pinocytosis
- Maximum concentration

B





### Question No. 6

The DNA replication takes place in .....

- Ribosomes
- Nucleus
- Cell membrane
- Cytoplasm

**B**



**Question No. 5**

Chlorophyll .....

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

**D**



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. 8

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

- rRNA
- mRNA
- DNA
- tRNA

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

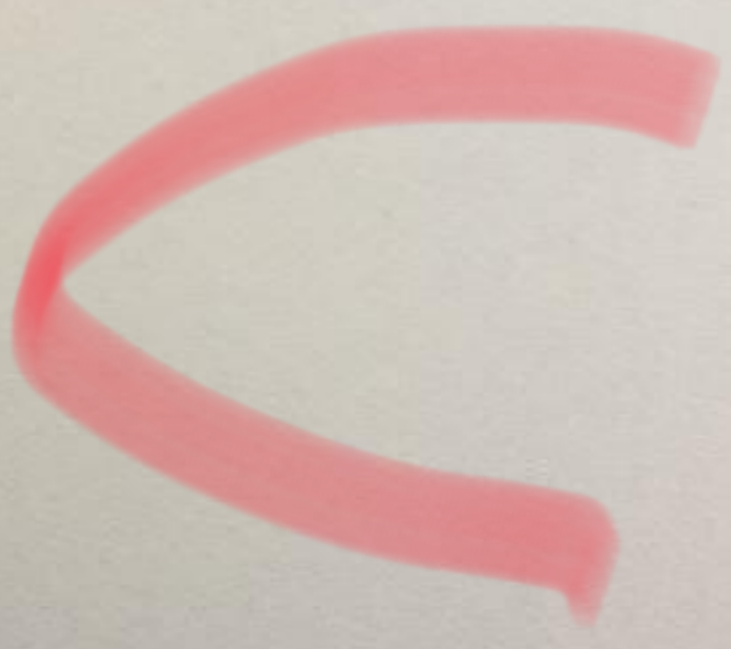
D



Question No. 7

The salivary glands are found in.....

- Esophagus
- Small intestine
- Oral cavity
- Large intestine





Question No. 30

Cellular respiration occurs .....

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



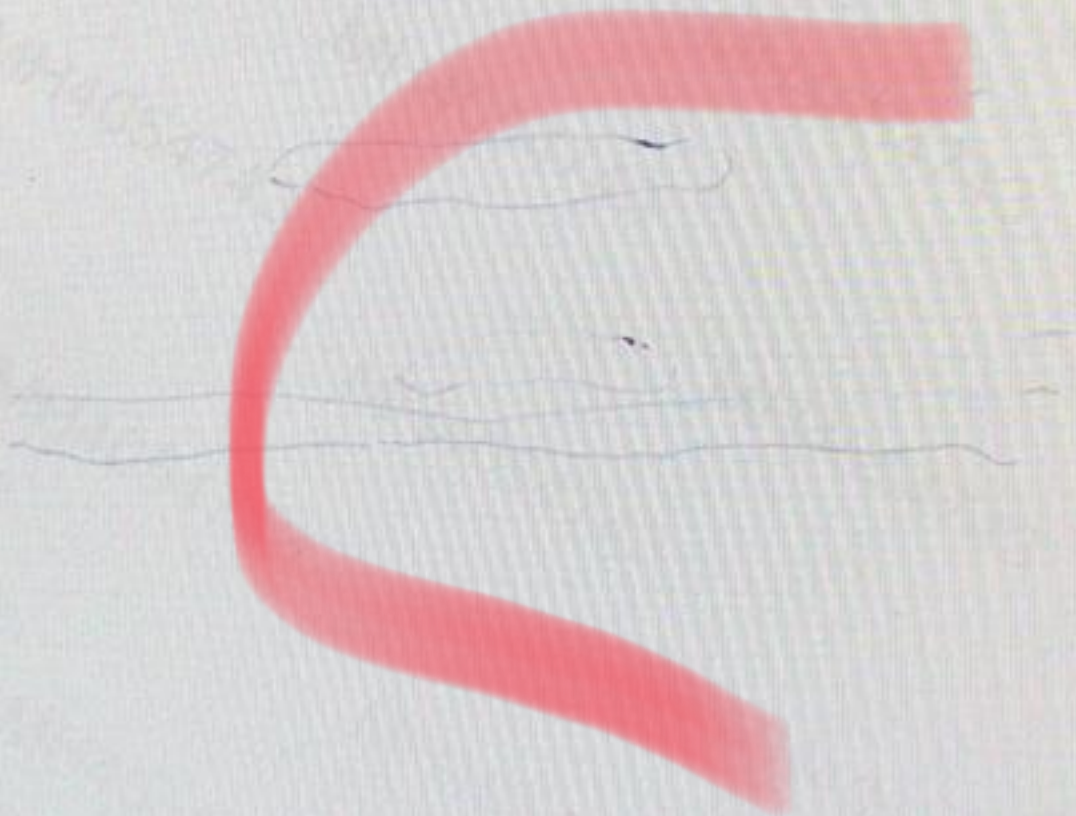


Total questions in exam: 40 | Answered: 7

Question No. 6

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

- Esophagus
- Stomach
- Liver
- Small intestine





Question No. 3

Which tissues lines cavities in the body?

- Epithelial tissues
- Muscle tissues
- Nervous tissues
- Connective tissues

NA



Simply, translation is a copy of

- DNA from DNA
- Protein from RNA
- RNA from DNA
- DNA from mRNA





Question No. 5

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

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



Total questions in exam: 40 | Answered: 5

Question No. 1

In a plant cell, DNA may be found in the.....

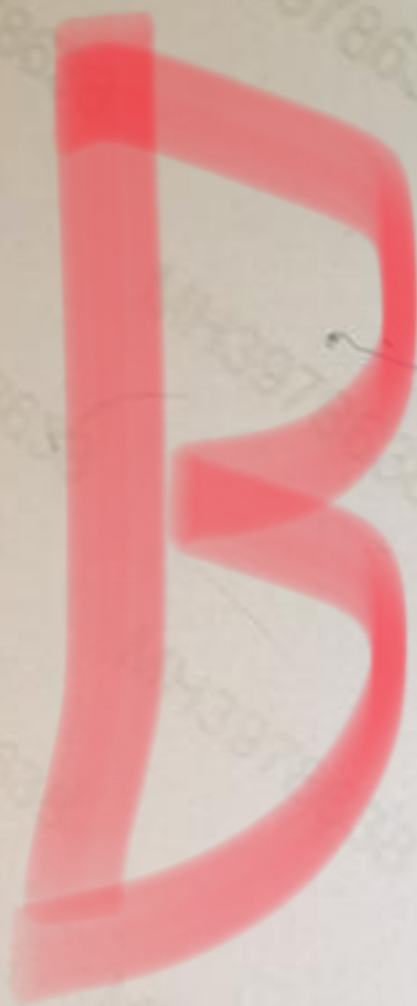
- Central vacuole, chloroplast, and mitochondria
- Cell wall, nucleus, and mitochondria
- Cytoplasm, mitochondria, and nucleus
- Nucleus, mitochondria, and chloroplasts



## Question No. 6

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

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





Question No. 4

Which epithelial tissue lines the esophagus?

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



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

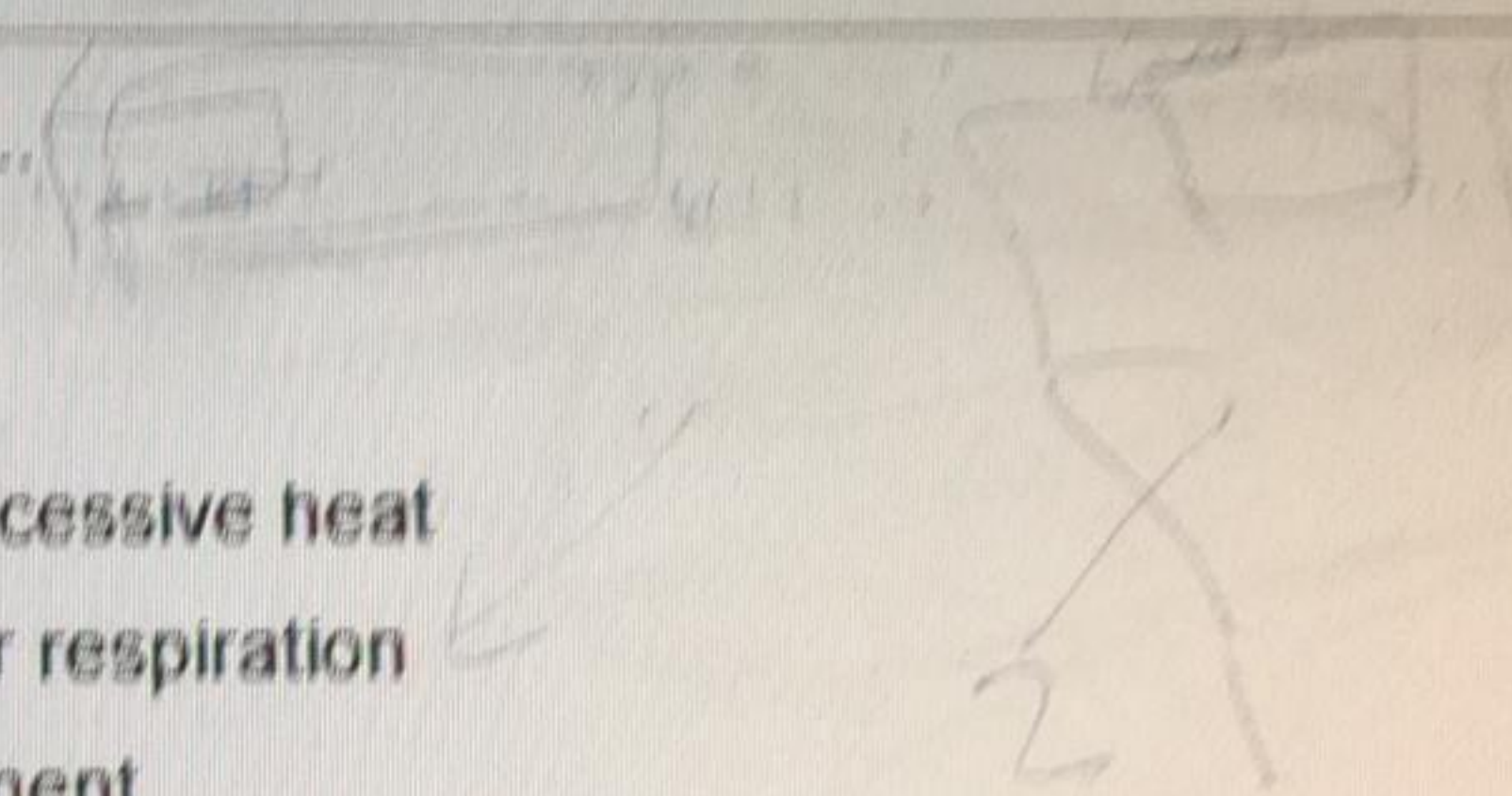


### Question No. 5

Chlorophyll

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

8





## Question No. 6

The DNA replication takes place in .....

- Ribosomes
- Nucleus
- Cell membrane
- Cytoplasm



**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

**B**



Question No. 2

Photpsynthesis converts light energy into chemical energy stored in .....

- None of them
- ATP
- Sugar
- Fats



## Question No. 6

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Question No. 9

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

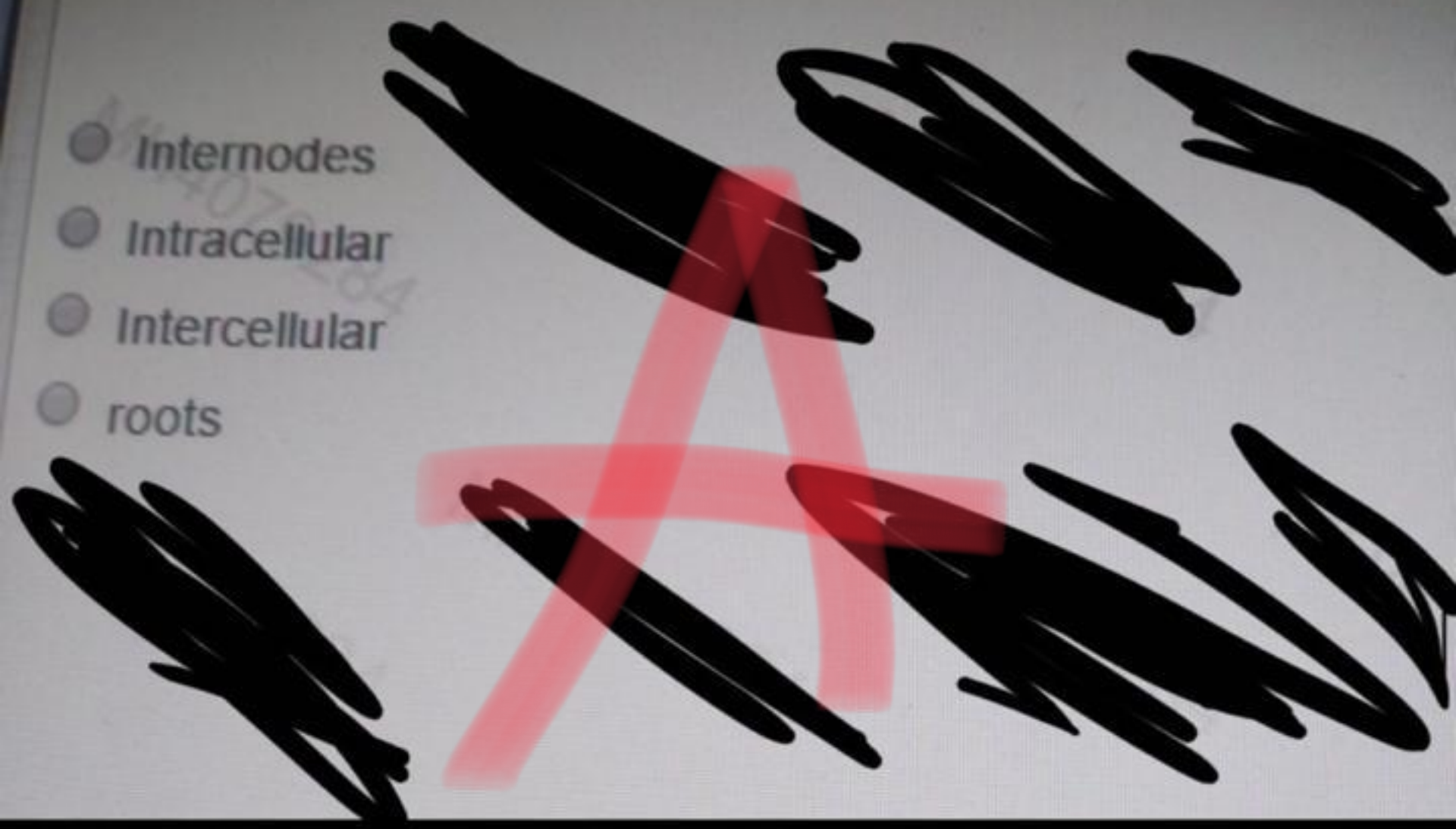
- From their food store
- From the soil
- From leaves
- By photosynthesis

A



..... are segments between nodes.

- Internodes
- Intracellular
- Intercellular
- roots





Question No. 2

In absence of oxygen, muscle cells supplied with pyruvate will produce .....

- Lactate
- Water
- Electrons
- Oxygen



Question No. 3

The transport of substances through proteins pumps is considered as .....

- Exocytosis
- Facilitated diffusion
- Passive transport
- Active transport



Question No. 2

Which of the following is not a type of vessel?

- vein
- Atrium
- Artery
- Capillary

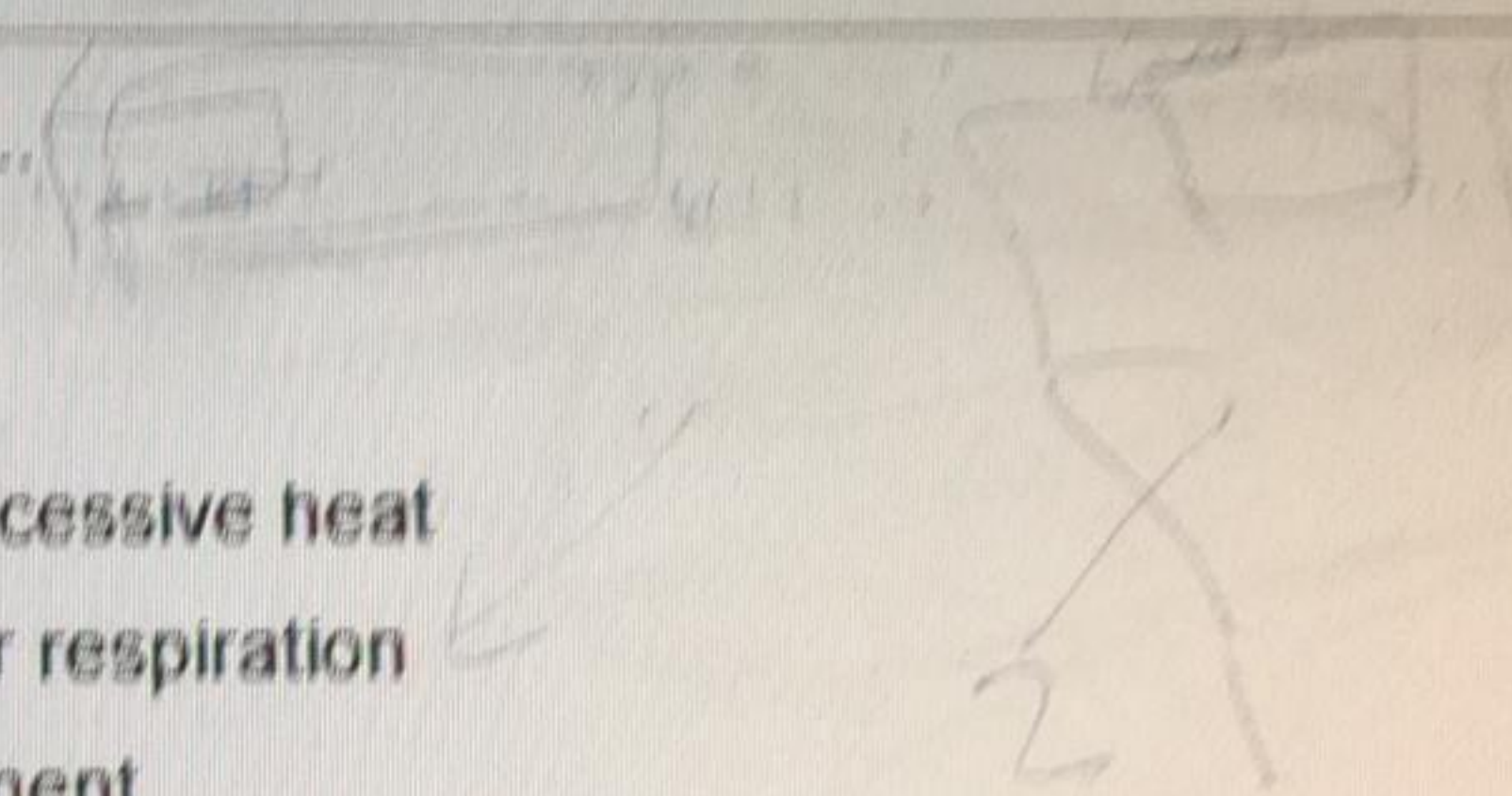


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Question No. 10

Autotrophic means organisms that .....

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



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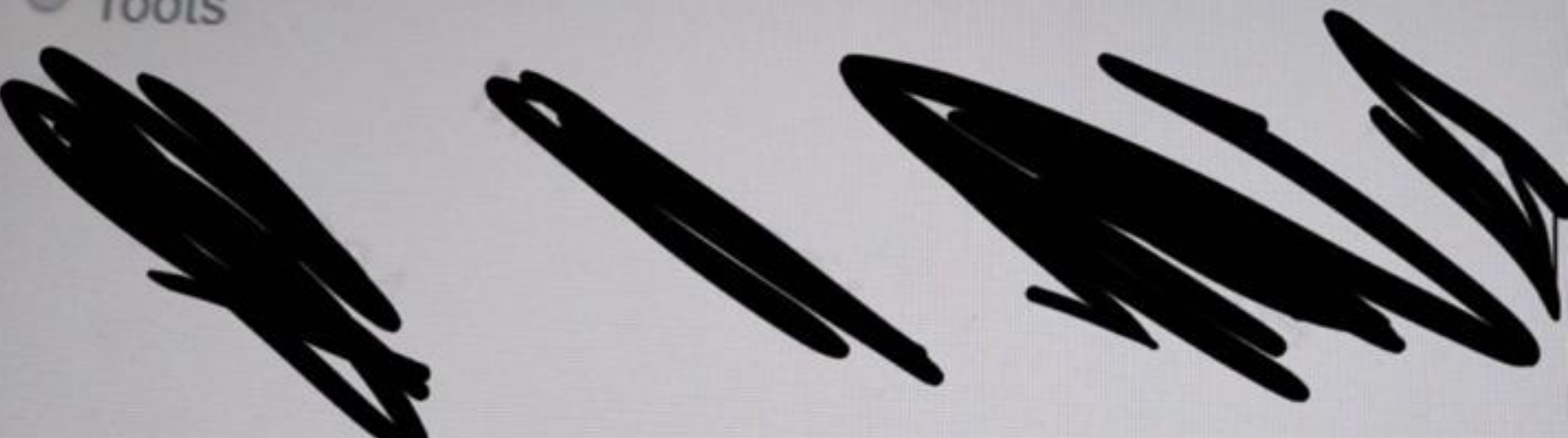
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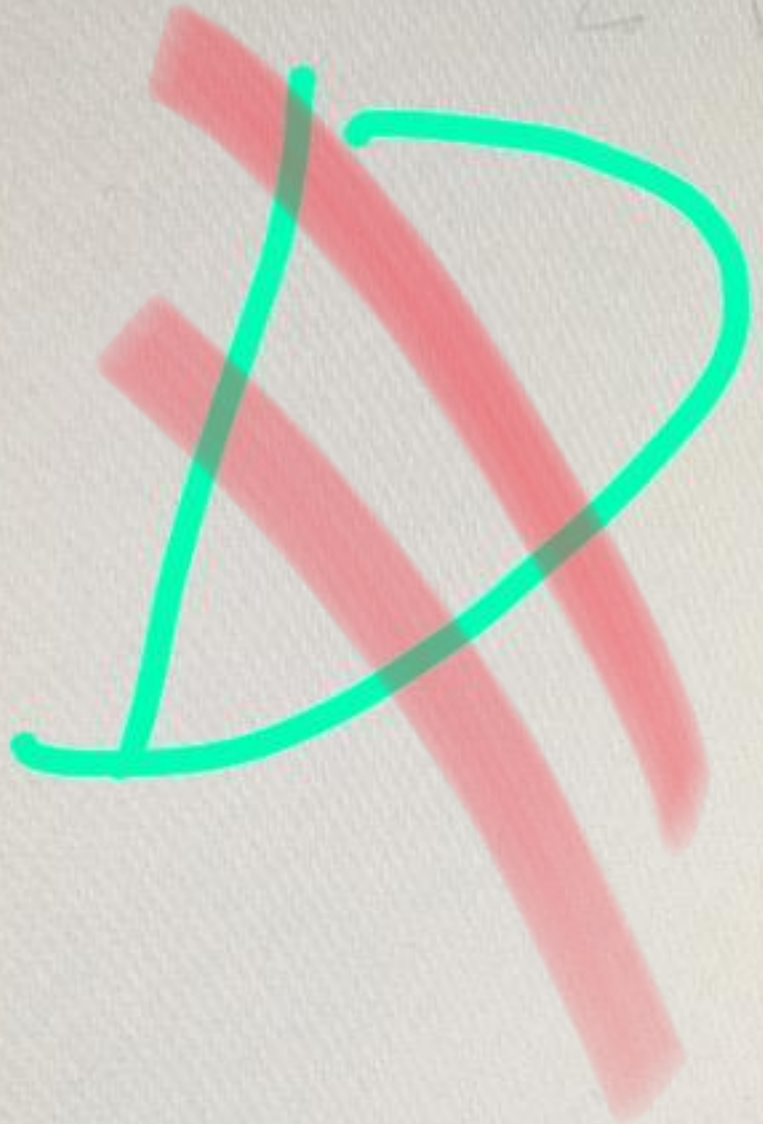




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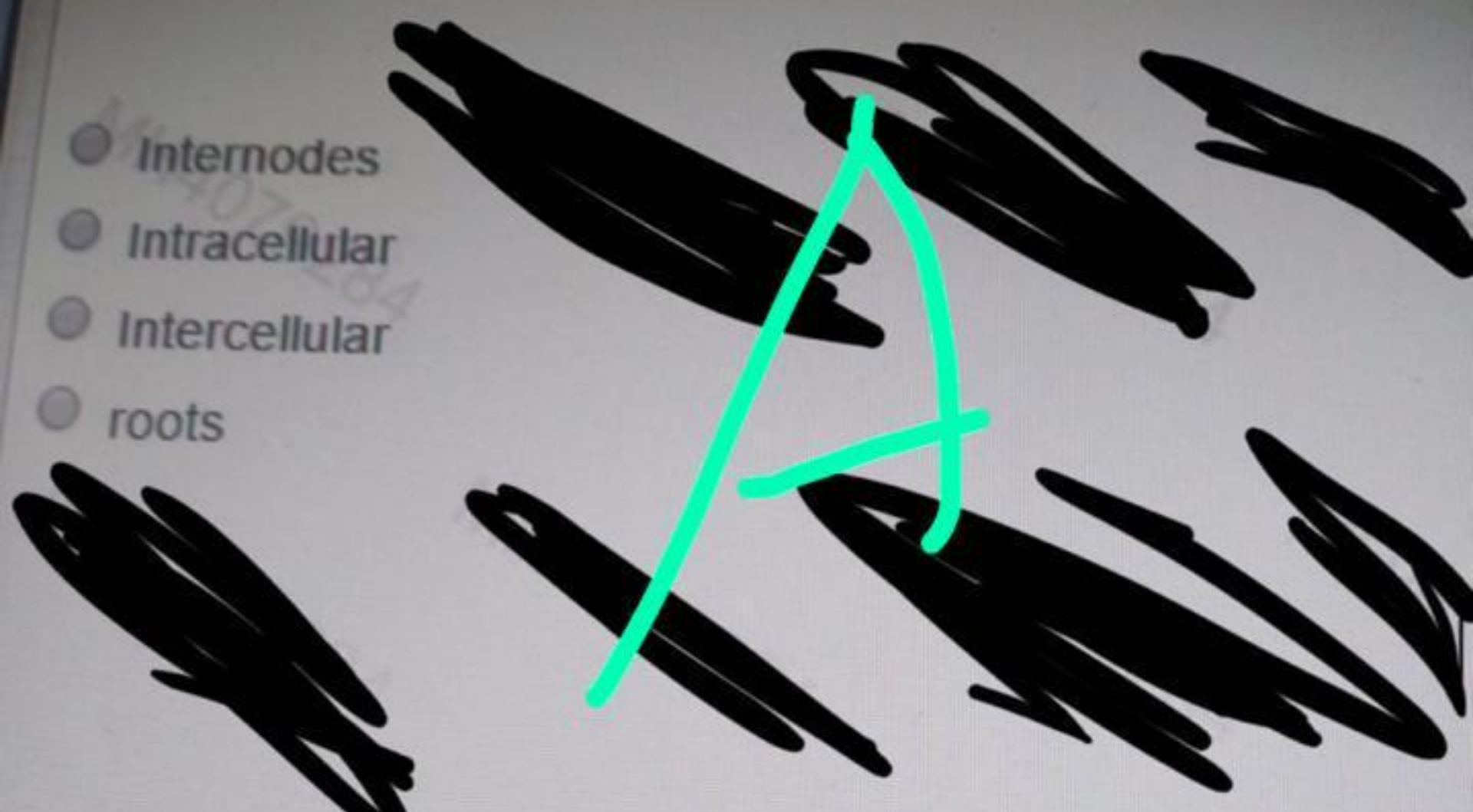
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DA



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B



**Question No. 3**

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

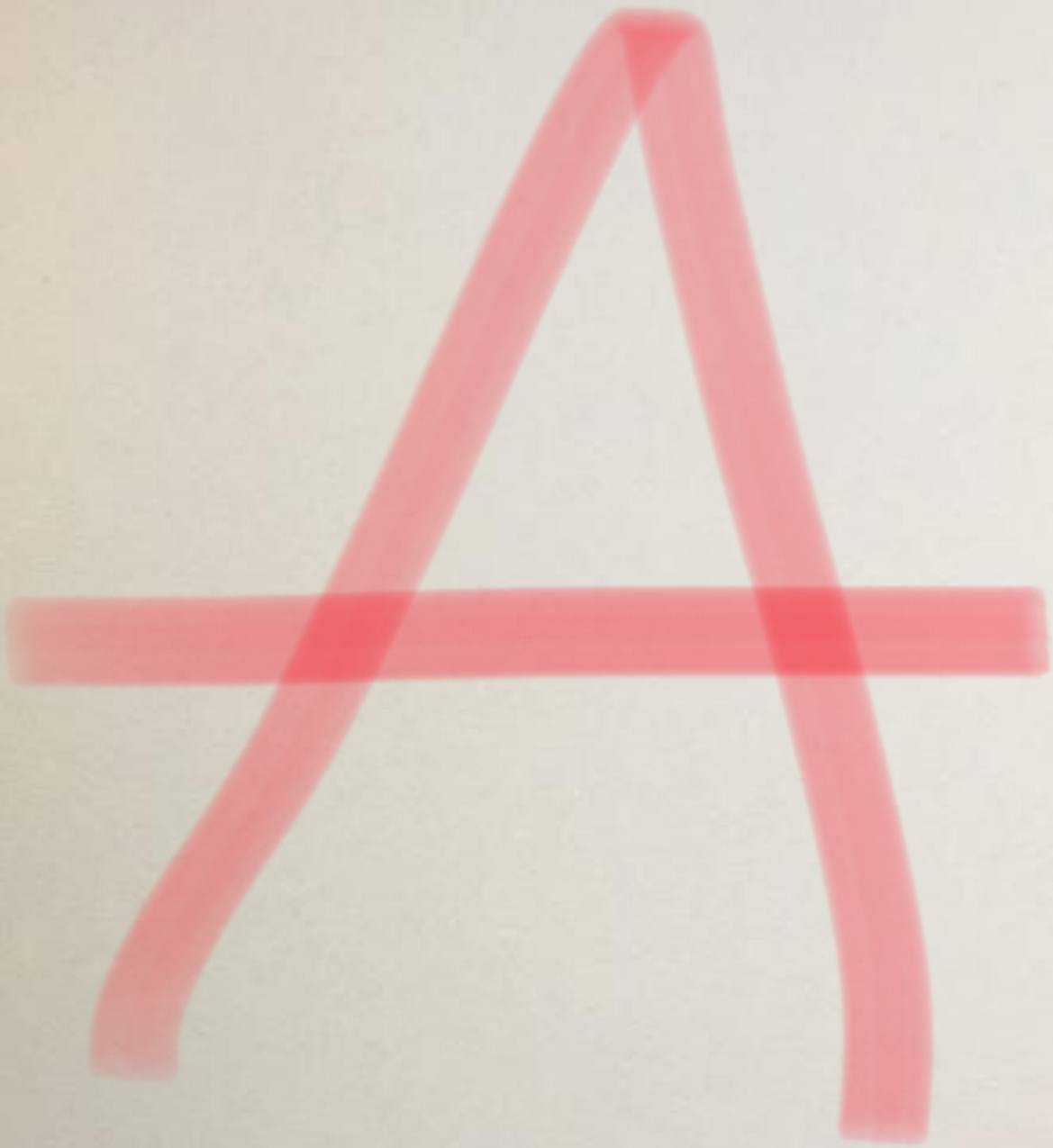
- Osmotic pressure
- Equilibrium
- Pinocytosis
- Maximum concentration



Question No. 8

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

- rRNA
- mRNA
- DNA
- tRNA





Question No. 7

The salivary glands are found in.....

- Esophagus
- Small intestine
- Oral cavity
- Large intestine



Question No. 2

What is the smallest unit of heredity?

- Gene
- Amino acid
- RNA
- Cell

KA



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. 4

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

- Petals
- Root
- Petiole
- Stem





Question No. 8

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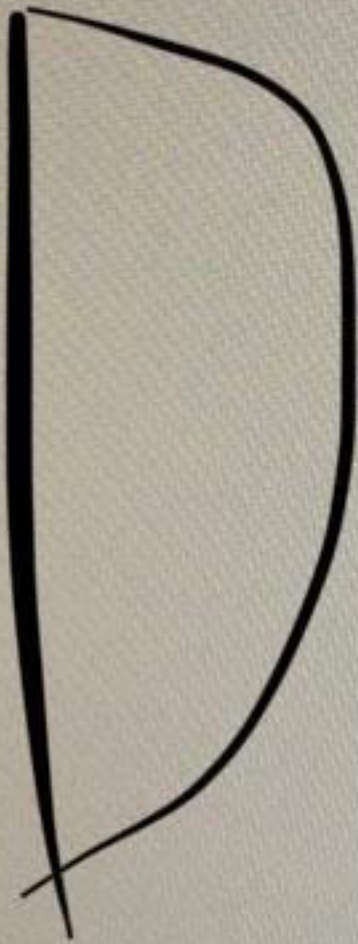
A



Question No. 10

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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. 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