

Zoo102

Quizz # 01

(Spring 2021)

(Effort by Kinza Abid)

(kinzaabid2310@gmail.com)

3. Functions

- Cholesterol in cell membrane
- Testosterone for **secondary** sex characteristics in males
- Estrogen for **secondary** sex characteristics in females
- Vitamin D uptakes and



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BC200202450: KINZA ABID

Time Left 64 sec(s)

Z00102:Quiz 1

Quiz Start Time: 12:20 AM, 26 May 2021

Question # 9 of 9 (Start time: 12:28:41 AM, 26 May 2021)

Total Marks: 1

Which of the following is the secondary sex characteristics in females?

Select the correct option

☐	Thyroid gland
☐	Testosterone
☒	Estrogen
☐	Progesterone

Click to Save Answer & Move to Next Question

1. Steroids

- Naturally occurring lipids which contain **four fused carbon rings**.
- e.g. vitamin D, cholesterol, aldosterone, estrogen and testosterone



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BC200202450: KINZA ABID

Time Left 37 sec(s)

Z00102:Quiz 1

Quiz Start Time: 12:20 AM, 26 May 2021

Question # 8 of 9 (Start time: 12:27:42 AM, 26 May 2021)

Total Marks: 1

Which of the following is the naturally occurring lipids which contain four fused carbon rings is known as.....

Select the correct option

☐	aldosterone
☒	All of them
☐	cholesterol
☐	Vitamin D



Click to Save Answer & Move to Next Question

Movements Across Cell Membranes: Simple Diffusion

1. Simple Diffusion

“Movement of molecules from an area of high concentration to the area of low concentration is called simple diffusion.”

- It is a random movement



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Time Left 63 sec(s)

Z00102:Quiz 1

Quiz Start Time: 12:20 AM, 26 May 2021

Question # 7 of 9 (Start time: 12:27:09 AM, 26 May 2021)

Total Marks: 1

Movement of molecules from an area of high concentration to the area of low concentration is called -----

Select the correct option

☐	Permeability
☐	Transfusion
☒	Simple diffusion
☐	Transverse diffusion

Click to Save Answer & Move to Next Question

glucose.

- Glycogen
 - Quickly breaks to provide glucose in cells and blood
- Cellulose
 - Broken down into glucose



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Time Left 34 sec(s)

Z00102:Quiz 1

Quiz Start Time: 12:20 AM, 26 May 2021

Question # 6 of 9 (Start time: 12:26:08 AM, 26 May 2021)

Total Marks: 1

----- Brakes down into glucose

Select the correct option

☐	Glucose
☐	Starch
☐	Glycogen
☒	Cellulose



Click to Save Answer & Move to Next Question

Facilitated Diffusion

1. Definition

"Movement of molecules from an **area** of high concentration to the **area** of low concentration with the help of proteins is called facilitated diffusion."



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BC200202450: KINZA ABID

Time Left 31 sec(s)

ZOO102:Quiz 1

Quiz Start Time: 12:20 AM, 26 May 2021

Question # 4 of 9 (Start time: 12:23:35 AM, 26 May 2021)

Total Marks: 1

Movement of molecules from an area of high concentration to the area of low concentration with the help of membrane proteins is called-----.

Select the correct option

☐	Permeability
☐	Simple diffusion
☒	Facilitated diffusion
☐	Transfusion

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Click to Save Answer & Move to Next Question

Fatty Acids

4. Melting point and Solubility

- Melting **point** increase with increase in number of carbon atoms
- Solubility decreases with increase in carbon chain size



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Time Left 60 sec(s)

Z00102:Quiz 1

Quiz Start Time: 12:20 AM, 26 May 2021

Question # 3 of 9 (Start time: 12:22:56 AM, 26 May 2021)

Total Marks: 1

Melting point increase with increase in number of.....

Select the correct option

☒	Carbon atoms
☐	Sugar
☐	Phosphate group
☐	Hydroxyl group

Click to Save Answer & Move to Next Question

4. Melting point and Solubility

- Melting point increase with increase in number of carbon atoms
- Solubility decreases with increase in carbon chain size
- Melting point also decrease with addition of double bonds



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Time Left 43 sec(s)

Z00102:Quiz 1

Quiz Start Time: 12:20 AM, 26 May 2021

Question # 2 of 9 (Start time: 12:21:59 AM, 26 May 2021)

Total Marks: 1

Solubility decreases with increase in -----

Select the correct option

☐	Sugar
☒	Carbon chain size
☐	Hydroxyl group
☐	Phosphate group

Click to Save Answer & Move to Next Question



Cell in which genetic material is enclosed in a membranous structure called -----

Select the correct option

☐	Mitochondria
☐	Molecule
☒	Nucleus
☐	Cytoplasm

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Click to Save Answer & Move to Next Question

Biomolecules having one or more chains of amino acids are known as

Select the correct option

☐	Lipids
☒	Proteins
☐	Fatty acids
☐	Carbohydrates

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Click to Save Answer & Move to Next Question

_____is involved in cell recognition and determination of cell behavior.

Select the correct option



Glycocalyx



Carbohydrates



Phospholipids



Cholesterol

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Click to Save Answer & Move to Next Question

Question # 4 of 9 (Start time: 06:27:42 PM, 25 May 2021)

Total Marks: 1

Having single covalent bond between all carbons are
.....

Select the correct option

☐	Unsaturated
☐	Polypeptides
☐	Steroids
☒	Saturated

[Click to Save Answer & Move to Next Question](#)

In 1972, S. Jonathen Sanger and Garth Nicolson presented fluid mosaic model of membranes.

Select the correct option

- | | |
|----------------------------------|------------------------------------|
| ☐ | Van Holde and Zlatanova |
| ☐ | Watson and Crick |
| ☐ | de Chadarevian and Gaudilliere |
| ☒ | Jonathen Sanger and Garth Nicolson |



Click to Save Answer & Move to Next Question

Question # 6 of 9 (Start time: 06:29:50 PM, 25 May 2021)

One of the following contains unsaturated fatty acids.

Select the correct option



Oils



Starch



Glycogen



Steroids

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Click to Save Answer & Move to Next Question

Question # 5 of 9 (Start time: 05:28:24 PM, 25 May 2021)

Nucleus can lose its control on -----cytoplasm

Select the correct option

☐ Inappropriate size

☐ Very small

☒ Very large

☐ Average size

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Click to Save Answer & Move to Next Question

Question # 1 of 9 (Start time: 06:24:28 PM, 25-May-2021)

Smallest independent unit of life is a-----

Select the correct option

- ☐ Molecule
- ☐ None of them
- ☒ Cell
- ☐ Mitochondria

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Click to Save Answer & Move to Next Question

Question # 9 of 9 (Start time: 07:20:57 PM, 25 May 20

Solubility decreases with increase in

Select the correct option

☐	Phosphate group
☐	Hydroxyl group
☒	Carbon chain size
☐	Sugar

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Question # 7 of 9 (Start time: 07:19:14 PM, 25 May 2021)

In phospholipids, two fatty acids are attached to glycerol through ____

Select the correct option

☐	Carbon atom
☐	Nitrogen base
☐	Phosphate group
☒	ester/acyl linkage

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Question # 2 of 9 (Start time: 07:14:14 PM, 25 May 2021)

Phospholipids are the molecules in which glycerol molecules combines with two fatty acids and a phosphate group along with.....

Select the correct option

- | | |
|----------------------------------|-----------------|
| ☐ | Carbon chain |
| ☒ | Nitrogen base |
| ☐ | Phosphate group |
| ☐ | Hydroxyl group |

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ZOO102: Quiz 1

Question # 8 of 9 (Start time: 07:20:30 PM, 25 May 2021)

Biomolecules having one or more chains of amino acids are known as _____

Select the correct option

☒	Proteins
☐	Fatty acids
☐	Lipids
☐	Carbohydrates

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make less than 1% of the cell.

Select the correct option

☒	Cholesterol
☐	Proteins
☐	Carbohydrates
☐	Phospholipids

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Question # 1 of 9 (Start time: 07:13:16 PM, 25 May 2021)

The solution with lower concentration of solute than surroundings is called -----

Select the correct option

☐	Osmosis
☐	Isosmotic
☐	hyperosmotic
☒	hypoosmotic

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