

Zoo 404 Quiz 1

Collected by Zaibi Attariya 

Work Together Team

Question # 1 of 8 (start time: 03:25:50 PM, 29 November 2022)

Total Marks: 1

_____ uses internal control mechanisms to regulate internal conditions in order to maintain homeostasis.

select the correct option

 Reload Math Equations

Inhibitors



Regulators



Conformers



Homeostatic balance

Click to Save Answer & Move to Next Question

Question # 2 of 8 (start time: 03:26:33 PM, 29 November 2022)

Stimulus-Activated Ion Channels are found in _____ receptor cells.

Select the correct option

 Reload M



Sensory



Intermediate



Motor



Associated

Click to Save Answer & Move to N

Membrane Potential is expressed in _____?

Select the correct option



High volts



Mega volts



Giga volts



Milli volts

Click to Save Answer & Mark

Question # 4 of 8 (Start time: 03:27:22 PM, 29 November 2022)

Membrane potential is _____ in nature.

Select the correct option



Electrochemical



Chemical



Ionic and chemical



Electrical

Question # 5 of 8 (Start time: 03:27:36 PM, 29 November 2022)

Resting membrane potential of most neurons is _____,when no impulse is being conducted.

Select the correct option



Reload M

☐

-50mV

☐

70mV

☐

50mV

☒

-70mV

Click to Save Answer & Move to N

Question # 6 of 8 (Start time: 03:28:10 PM, 29 November 2022)

The ability of Bar-headed goose to fly above the peaks of Mount Everest is an example of _____?

Select the correct option

 Reload Math

☐

Acclimatization

☐

Extrinsic

☒

Adaptation

☐

Acclimation

Click to Save Answer & Move to Next Q

Question # 7 of 8 (start time: 03:28:38 PM, 29 November 2022)

Total Marks:

Intracellular concentration of Na^+ and Cl^- is maintained about _____times lower than the extracellular concentration.

Select the correct option

 Reload Math Equations

5



10



15



20

Click to Save Answer & Move to Next Question

Question # 8 of 8 (Start time: 03:28:50 PM, 29 November 2022)

Total Marks: 1

_____ transport involves uphill movement of solutes against the concentration gradients, utilizing ATP energy.

Select the correct option



Reload Math Equations



Active



Passive



Osmotic



Facilitated

Click to Save Answer & Move to Next Question

Question # 1 of 8 (Start time: 03:32:20 PM, 29 November 2022)

Total Marks: 1

When a substance is more concentrated on one side of a membrane, there is a tendency for it to diffuse across the membrane, down its concentration _____.

Select the correct option



Reload Math Equations



Gradient



Level



Bar



Passive movement

Click to Save Answer & Move to Next Question

Question # 2 of 8 (Start time: 03:33:06 PM, 29 November 2022)

Total Marks: 1

Polar Substances and ions have difficulty in passing through the plasma membrane because the interior of the lipid bilayer has a _____ nature.

Select the correct option



Reload Math Equations



Water Loving



Hydrophilic



Hydrophobic



Resistant



Click to Save Answer & Move to Next Question

Question # 3 of 8 (Start time: 03:34:11 PM, 29 November 2022)

How many times per second does the heart of a humming bird beats during a hovering flight_____?

Select the correct option



Reload



10



20



30



5

Click to Save Answer & Move

Question # 4 of 8 (start time: 03:34:25 PM, 29 November 2022)

Total Marks: 1

_____ potentials are the type of signals that neurons use to send information over long distances.

Select the correct option

 Reload Math Equations

Membrane



Voltage



Resting



Action

Click to Save Answer & Move to Next Question

Question # 5 of 8 (Start time: 03:34:57 PM, 29 November 2022)

Concentration gradient itself acts as _____ energy.

Select the correct option

☒	Potential
☐	Driving
☐	Thermal
☐	Kinetic

Question # 6 of 8 (Start time: 03:35:27 PM, 29 November 2022)

Total Marks: 1

Intracellular concentration of Na^+ and Cl^- is maintained about _____ times lower than the extracellular concentration.

Select the correct option

 Reload Math Equations

20



15



5



10

Click to Save Answer & Move to Next Question

Question # 7 of 8 (start time: 03:35:37 PM, 29 November 2022)

Total Marks: 1

_____ uses internal control mechanisms to regulate internal conditions in order to maintain homeostasis.

Select the correct option

 Reload Math Equations

Inhibitors



Conformers



Homeostatic balance



Regulators

Click to Save Answer & Move to Next Question

Question # 8 of 8 (Start time: 03:35:49 PM, 29 November 2022)

Control of blood sugar (glucose) by insulin is an example of _____?

Select the correct option

☒	Negative feedback
☐	Systematic feedback
☐	Positive feedback
☐	General feedback

Question # 1 of 8 (Start time: 03:37:40 PM, 29 November 2022)

Total Marks: 1

Control of blood sugar (glucose) by insulin is an example of _____?

Select the correct option



Reload Math Equations



Systematic feedback



Negative feedback



General feedback



Positive feedback

Click to Save Answer & Move to Next Question

Question # 2 of 8 (start time: 03:37:53 PM, 29 November 2022)

There are _____ types of Feedback Systems.

Select the correct option



Two



Neutral



Three



one

Click to S

Question # 3 of 8 (start time: 03:38:04 PM, 29 November 2022)

Total Marks: 1

Resting membrane potential of most neurons is _____when no impulse is being conducted.

Select the correct option



Reload Math Equations



-70mV



-50mV



50mV



70mV

Click to Save Answer & Move to Next Question

Question # 4 of 8 (Start time: 03:38:14 PM, 29 November 2022)

Total Marks: 1

Physiology is the study of functions of _____, organs and organ systems of animals.

select the correct option

 Reload Math Equations

Cellular compartments



Tissues



Cells



Behavior

Click to Save Answer & Move to Next Question

Question # 5 of 8 (start time: 03:38:27 PM, 29 November 2022)

Total Marks: 1

----- transport involves uphill movement of solutes against the concentration gradients, utilizing ATP energy.

Select the correct option

 Reload Math Equations

Active



Facilitated



Passive



Osmotic

Click to Save Answer & Move to Next Question

Question # 6 of 8 (Start time: 03:38:53 PM, 29 November 2022)

Total Marks: 1

The effect of single ion gradient on membrane potential is predicted by the _____ equation.

Select the correct option



Reload Math Equations



Nernst



Ohm



Pythagorus



Newton's first

Click to Save Answer & Move to Next Question

Question # 7 of 8 (start time: 03:39:22 PM, 29 November 2022)

Total Marks: 1

Intracellular concentration of Na^+ and Cl^- is maintained about _____ times lower than the extracellular concentration.

Select the correct option

 Reload Math Equations

15



10



20



5

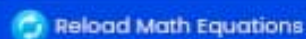
Click to Save Answer & Move to Next Question

Question # 8 of 8 (Start time: 03:39:33 PM, 29 November 2022)

Total Marks: 1

Membrane potential is _____ in nature.

select the correct option

 Reload Math Equations

Ionic and chemical



Chemical



Electrochemical



Electrical

Click to Save Answer & Move to Next Question

Question # 1 of 8 (Start time: 03:42:02 PM, 29 November 2022)

Macromolecules cannot cross plasma membrane because of its _____?

Select the correct option

☐

Level

☒

Size

☐

Shape

☐

Height

Question # 2 of 8 (start time: 03:42:38 PM, 29 November 2022)

To

The effect of single ion gradient on membrane potential is predicted by the _____ equation.

Select the correct option

[Reload Math E](#)

Newton's first



Pythagorus



Nernst



Ohm

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

Question # 3 of 8 (start time: 03:42:53 PM, 29 November 2022)

Membrane Potential is expressed in _____?

Select the correct option



Milli volts



Giga volts



Mega volts



High volts

Click to Save Answer

Question # 4 of 8 (start time: 03:43:05 PM, 29 November 2022)

Resting membrane potential of most neurons is _____,when no impulse is being conducted.

Select the correct option

 Reload

☐

50mV

☒

-70mV

☐

70mV

☐

-50mV

Click to Save Answer & Move to

Question # 5 of 8 (Start time: 03:43:15 PM, 29 November 2022)

Mechanisms through which carrier proteins actively transport substances are called _____ pumps.

Select the correct option

☐	Intracutaneous
☐	Cytosol
☒	Membrane
☐	Sub cellular

Question # 6 of 8 (Start time: 03:43:50 PM, 29 November 2022)

Cells contain non-diffusible anionic colloids with _____ and organic phosphates.

Select the correct option

☐	Acids
☐	Amino acid
☒	Proteins
☐	Glucose solution

Question # 7 of 8 (Start time: 03:44:27 PM, 29 November 2022)

Voltage-Gated Na⁺ Channels are activated by _____ and produce rising phase of action potential.

Select the correct option

 Rel



Hyperpolarization



Depolarization



Polarization



Repolarization

Click to Save Answer & Move

Question # 8 of 8 (Start time: 03:44:58 PM, 29 November 2022)

The tendency of an organism to maintain relative internal stability is called as _____.

Select the correct option

☐

Thermoregulation.

☐

Feedback mechanism

☒

Homeostasis

☐

Ectotherm

Question # 1 of 8 (Start time: 03:46:45 PM, 29 November 2022)

The effect of single ion gradient on membrane potential is predicted by the _____ equation.

Select the correct option



Nernst



Pythagorus



Newton's first



Ohm

Click to Save Answer &

Question # 2 of 8 (Start time: 03:47:29 PM, 29 November 2022)

Concentration gradient itself acts as _____energy.

Select the correct option

☒	Potential
☐	Kinetic
☐	Driving
☐	Thermal

Question # 3 of 8 (Start time: 03:48:08 PM, 29 November 2022)

There are _____ phases of action potential?

Select the correct option



3



5



6



4

Question # 4 of 8 (Start time: 03:48:41 PM, 29 November 2022)

Total Marks: 1

Mechanisms through which carrier proteins actively transport substances are called _____ pumps.

Select the correct option

 Reload Math Equations

Membrane



Cytosol



Intracutaneous



Sub cellular

Click to Save Answer & Move to Next Question

Question # 5 of 8 (start time: 03:49:31 PM, 29 November 2022)

----- potentials are the type of signals that neurons use to send information over long distances.

Select the correct option



Reload M



Membrane



Resting



Action



Voltage

Click to Save Answer & Move to Next

Question # 6 of 8 (Start time: 03:49:53 PM, 29 November 2022)

Aquaporins are commonly known as _____?

Select the correct option

☐	Metabolites
☐	Water carrier proteins
☐	Membrane proteins
☒	Water channel proteins

Question # 7 of 8 (Start time: 03:50:24 PM, 29 November 2022)

Total Marks: 1

When a substance is more concentrated on one side of a membrane, there is a tendency for it to diffuse across the membrane, down its concentration _____.

Select the correct option

 Reload Math Equations

Passive movement



Bar



Level



Gradient

Click to Save Answer & Move to Next Question

Question # 8 of 8 (Start time: 03:51:00 PM, 29 November 2022)

Non-diffusible _____ produce Donnan effect

Select the correct option

☐

Ionic solution

☐

Positively charged ion

☐

Cations

☒

Anions