

Question # 1 of 30 (Start time: 04:34:20 PM, 29 June 2020)

Total M

_____ is the process in which cells absorb molecules by engulfing them.

Select the correct option



Endocytosis



Phagocytosis



Pinocytosis



ALL

Question # 2 of 30 (Start time: 04:35:23 PM, 29 June 2020)

Total M

An _____ is a system that freely exchanges energy and matter with its surroundings.

Select the correct option



Closed System



Open System



Isolated System



Free System

Question # 3 of 30 (Start time: 04:36:05 PM, 29 June 2020)

Total M

Reactions that have a negative ΔG release free energy and are called _____.

Select the correct option



Nonsontaneous reactions



Exergonic reactions



Endergonic reactions



ALL

Question # 4 of 30 (Start time: 04:37:00 PM, 29 June 2020)

Total M

Electrophysiology study is also known as ?

Select the correct option



ECG



PE Test



EP Test



EEG

Question # 5 of 30 (Start time: 04:37:58 PM, 29 June 2020)

Total M

Biophysicists discovered the DNA double helix in _____

Select the correct option



1953



2003



2017



1850

Question # 6 of 30 (Start time: 04:38:39 PM, 29 June 2020)

Total M

Metallic bonding are the force of attraction between _____ electrons and the metal atoms.

Select the correct option



paired



lone



valence



single

Question # 6 of 30 (Start time: 04:38:39 PM, 29 June 2020)

Total M

Metallic bonding are the force of attraction between _____ electrons and the metal atoms.

Select the correct option



paired



lone



valence



single

Question # 7 of 30 (Start time: 04:39:27 PM, 29 June 2020)

Total M

Freezing point of water in Fahrenheit is _____.

Select the correct option



23°F



32°F



31°F



10°F

Question # 8 of 30 (Start time: 04:40:28 PM, 29 June 2020)

Total M

The LDF is named after the German-American physicist ?

Select the correct option



Fritz London



Denim London



Vander wall London



Stoney London

Question # 9 of 30 (Start time: 04:41:08 PM, 29 June 2020)

Total M

Biophysics discovers how atoms are arranged to work in_____.

Select the correct option



Lipids



RNA



DNA & Proteins



Ribosomes

Question # 10 of 30 (Start time: 04:42:00 PM, 29 June 2020)

Total M

The field of physics that deals with the relationship between heat and other properties (such as pressure, density, temperature, etc.) in a substance.

Select the correct option



Dynamics



Thermodynamics



Nuclear physics



Biophysics

Question # 11 of 30 (Start time: 04:42:40 PM, 29 June 2020)

Total M

The Cell membranes are involved in a variety of cellular processes such as _____

Select the correct option



Cell adhesion



Ion conductivity



Cell signaling



ALL

Question # 12 of 30 (Start time: 04:43:25 PM, 29 June 2020)

Total M

In prokaryotes, such as bacteria, the DNA is not enclosed in a membranous envelope, although it's located in a specialized cell region called the

Select the correct option



Nucleus



Nuclei



Nucleoid



Membrane

Question # 13 of 30 (Start time: 04:45:08 PM, 29 June 2020)

Total M

If the temperature is the same throughout the entire system

Select the correct option



Thermal equilibrium



Mechanical equilibrium



Phase equilibrium



Chemical equilibrium

Question # 14 of 30 (Start time: 04:46:00 PM, 29 June 2020)

Total M

Size of Small fatty acids and sugars is _____.

Select the correct option



2nm



1nm



3nm



4nm

Question # 15 of 30 (Start time: 04:47:03 PM, 29 June 2020)

Total M

_____ does not require a cell to use energy.

Select the correct option



Active transport



Passive transport



Osmosis



ALL

Question # 16 of 30 (Start time: 04:47:42 PM, 29 June 2020)

Total M

When heated particles transfer heat to another substance, such as cooking something in boiling water.

Select the correct option



Insulation



Radiation



Convection



Conduction

Question # 17 of 30 (Start time: 04:48:26 PM, 29 June 2020)

Total M

_____ does not require a cell to use energy.

Select the correct option



Active transport



Passive transport



Osmosis



ALL

Question # 18 of 30 (Start time: 04:49:19 PM, 29 June 2020)

Total M

A calorimeter is a device for measuring

Select the correct option



Transfer of Heat



Transfer of Water



Transfer of Volume



Transfer of Pressure

Question # 19 of 30 (Start time: 04:50:13 PM, 29 June 2020)

Total M

_____ release energy by breaking down complex molecules into simpler compounds

Select the correct option



Catabolic pathways



Metabolic pathways



Anabolic Pathways



ALL

Question # 20 of 30 (Start time: 04:51:08 PM, 29 June 2020)

Total M

Reactions with a positive ΔG ($\Delta G > 0$), on the other hand, require an input of energy and are called _____

Select the correct option



Endergonic reactions



Spontaneous reactions



Exergonic reactions



ALL

Question # 21 of 30 (Start time: 04:51:58 PM, 29 June 2020)

Total M

When one mole of gaseous ions are completely dissolved in water forming one mole of aqueous ions

Select the correct option



Enthalpy of vaporization



Lattice enthalpy



Enthalpy of hydration



Enthalpy of fusion

Question # 22 of 30 (Start time: 04:52:55 PM, 29 June 2020)

Total M

Without _____ , earth would have no water cycle, no ocean, no floating ice, no life as we know it.

Select the correct option



hydrogen bonding



covalent bonding



ionic bonding



coordinate bonding

Question # 23 of 30 (Start time: 04:53:38 PM, 29 June 2020)

Total M

The term biophysics was originally introduced by _____ in 1892.

Select the correct option



Watson & Crick



Karl Pearson



Dannimm Keran



Stonney

Question # 24 of 30 (Start time: 04:54:21 PM, 29 June 2020)

Total M

The Society publishes the Biophysical journal _____ monthly

Select the correct option



thrice



once



twice



daily

Question # 25 of 30 (Start time: 04:55:01 PM, 29 June 2020)

Total M

_____ is the study of the electrical nature of tissues and cells.

Select the correct option



Electroscopy



Electrophysiology



Electrobiology



Electrology

Question # 26 of 30 (Start time: 04:55:44 PM, 29 June 2020)

Total M

The energy required to break a bond is called the ?

Select the correct option



Gibbs energy



free energyy



gravitational energy



bond energy

Question # 27 of 30 (Start time: 04:56:17 PM, 29 June 2020)

Total M

What makes the molecules attracted to one another?

Select the correct option



Intermolecular force



Intramolecular force



Supramolecular force



Supermolecular force

Question # 28 of 30 (Start time: 04:57:21 PM, 29 June 2020)

Total M

device that measures pressure using mechanical deformation.

Select the correct option



Barometer



Bourdon Tube



Pressure Meter



PH Meter

Question # 29 of 30 (Start time: 04:57:50 PM, 29 June 2020)

Total M

Parts of your eyes, ears, nose, and skin that sense your environment are made by _____.

Select the correct option



DNA



Proteins



Lipids



RNA

Question # 30 of 30 (Start time: 04:59:01 PM, 29 June 2020)

Total M

DNA was discovered in_____.

Select the correct option



1953



1963



1970



1973