

VU Medical Zone

BIO 503 Quiz no 1 Spring 2021

BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 1 of 10 (Start time: 12:25:48 AM, 18 June 2021)

Total Marks: 1

The energy required to break a bond is called the ?

Select the correct option

☐	gravitational energy
☐	free energy
☒	bond energy
☐	Gibbs energy

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 2 of 10 (Start time: 12:26:11 AM, 18 June 2021)

Total Marks: 1

The unit of measurement for enthalpy in the International System of Units (SI) is the_____.

Select the correct option

☒	Joule
☐	Kilowatt
☐	Dyne
☐	Newton

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

EFFORT BY AMAAN KHAN

VU Medical Zone

BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 3 of 10 (Start time: 12:26:53 AM, 18 June 2021)

Total Marks: 1

Size of proteins is between ____.

Select the correct option



20 to 30nm



10 to 20nm



30 to 40nm



5 to 10nm

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Type here to search

31°C Haze 12:27 AM 6/18/2021

BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 4 of 10 (Start time: 12:27:27 AM, 18 June 2021)

Total Marks: 1

The third law of thermodynamics was developed by the ____.

Select the correct option



Crick



Walther Nernst

Answer solved by Amaan Khan
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Louis Pastuer



Watson

Type here to search

31°C Haze 12:27 AM 6/18/2021

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VU Medical Zone

BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 5 of 10 (Start time: 12:27:52 AM, 18 June 2021)

Total Marks: 1

When two substances can affect each other's temperature.

Select the correct option

☐	Convection
☒	Thermal Contact Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Radiation
☐	Conduction

Windows taskbar showing search bar, task view, and various application icons. System tray shows weather (31°C Haze), time (12:28 AM 6/18/2021), and connectivity icons.

BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 6 of 10 (Start time: 12:28:17 AM, 18 June 2021)

Total Marks: 1

Biophysicists discovered the DNA double helix in _____

Select the correct option

☐	2017
☐	1850
☐	2003
☒	1953 Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

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VU Medical Zone

BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 7 of 10 (Start time: 12:28:33 AM, 18 June 2021)

Total Marks: 1

The force of attraction between a non-polar molecule and an ion that may lie in its vicinity is called ?

Select the correct option

☐	ion-ion dipole force	
☒	ion-induced dipole force	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	dipole force	
☐	induced dipole force	

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BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 8 of 10 (Start time: 12:29:03 AM, 18 June 2021)

Total Marks: 1

The fluid mosaic model describes the structure of

Select the correct option

☒	Plasma Membrane	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Proteins	
☐	DNA	
☐	RNA	

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EFFORT BY AMAAN KHAN

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BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 9 of 10 (Start time: 12:29:18 AM, 18 June 2021)

Total Marks: 1

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

Select the correct option

☐

covalent bonding

☐

coordinate bonding

☐

ionic bonding

☒

hydrogen bonding

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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BIO503:Quiz No 1

Quiz Start Time: 12:25 AM, 18 June 2021

Question # 10 of 10 (Start time: 12:29:41 AM, 18 June 2021)

Total Marks: 1

Freezing point of water in Fahrenheit is _____.

☐

31°F

☐

23°F

☐

10°F

☒

32°F

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

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EFFORT BY AMAAN KHAN

VU Medical Zone

BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 1 of 10 (Start time: 11:45:11 PM, 17 June 2021)

Total Marks: 1

The American Biophysics Society was founded in?

Select the correct option

☐	1857	
☒	1957	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	1900	
☐	1947	

Windows taskbar showing search bar, task view, and various application icons. System tray shows 31°C Haze, 11:45 PM, and 6/17/2021.

BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 2 of 10 (Start time: 11:45:53 PM, 17 June 2021)

Total Marks: 1

The energy required to break a bond is called the ?

Select the correct option

☐	Gibbs energy	
☐	gravitational energy	
☒	bond energy	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	free energyy	

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EFFORT BY AMAAN KHAN

VU Medical Zone

BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 3 of 10 (Start time: 11:46:16 PM, 17 June 2021)

Total Marks: 1

Non polar covalent compounds—like methane CH₄, and nitrogen gas N₂ - only have _____ between molecules.

Select the correct option

☐	Dipole dipole forces	
☒	London dispersion forces	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Covalent forces	
☐	Ionic forces	

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BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 4 of 10 (Start time: 11:46:50 PM, 17 June 2021)

Total Marks: 1

Hemoglobin is a protein found in the _____, and its function is to carry oxygenated blood to various parts of the body.

Select the correct option

☐	Leucocytes	
☐	WBCs	
☐	Platelets	
☒	RBCs	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com

Windows taskbar showing search bar, task view, and various application icons. System tray shows 31°C Haze, 11:47 PM, 6/17/2021.

EFFORT BY AMAAN KHAN

VU Medical Zone

BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 5 of 10 (Start time: 11:47:15 PM, 17 June 2021)

Total Marks: 1

When two substances in thermal contact no longer transfer heat.

Select the correct option

☒	Thermal Equilibrium	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	Insulation	
☐	Radiation	
☐	Convection	

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BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 6 of 10 (Start time: 11:47:41 PM, 17 June 2021)

Total Marks: 1

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

Select the correct option

☐	lone	
☒	valence	Answer solved by Amaan Khan Contact: 0305-4716616 Email: maniamaan2@gmail.com
☐	paired	
☐	single	

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EFFORT BY AMAAN KHAN

VU Medical Zone

BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 7 of 10 (Start time: 11:48:16 PM, 17 June 2021)

Total Marks: 1

If the chemical composition of a system does not change with time, that is, no chemical reactions occur.

Select the correct option

☐	Phase equilibrium
☐	Thermal equilibrium
☒	Chemical equilibrium
☐	Mechanical equilibrium

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Windows taskbar showing search bar, task view, and various application icons. System tray shows weather (31°C Haze), time (11:49 PM 6/17/2021), and connectivity icons.

BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 8 of 10 (Start time: 11:48:50 PM, 17 June 2021)

Total Marks: 1

When heat flows through a heated solid.

Select the correct option

☐	Radiation
☐	Insulation
☐	Convection
☒	Conduction

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Windows taskbar showing search bar, task view, and various application icons. System tray shows weather (31°C Haze), time (11:49 PM 6/17/2021), and connectivity icons.

EFFORT BY AMAAN KHAN

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BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 9 of 10 (Start time: 11:49:18 PM, 17 June 2021)

Total Marks: 1

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

☐	Membrane
☐	Nucleus
☒	Nucleoid
☐	Nuclei

Answer solved by Amaan Khan
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Email: maniamaan2@gmail.com

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BIO503:Quiz No 1

Quiz Start Time: 11:45 PM, 17 June 2021

Question # 10 of 10 (Start time: 11:49:44 PM, 17 June 2021)

Total Marks: 1

The enthalpy change required to completely change the state of one mole of substance between liquid and gaseous states.

Select the correct option

☐	Enthalpy of Fusion
☒	Enthalpy of Vaporization
☐	Enthalpy of Heat
☐	Enthalpy of Water

Answer solved by Amaan Khan
Contact: 0305-4716616
Email: maniamaan2@gmail.com

Windows taskbar showing search bar, task view, and various application icons (File Explorer, Mail, Edge, Chrome). System tray shows weather (31°C Haze), time (11:50 PM), and date (6/17/2021).

EFFORT BY AMAAN KHAN