

1. Ionic bonding is a type of chemical bond that involves the electrostatic attraction between:

- a) similarly charged ions
- b) positive and negative ions
- c) oppositely charged ions
- d) negative ions only

Correct answer: c) oppositely charged ions

2. The size of proteins typically ranges between:

- a) 20 to 30 nm
- b) 10 to 20 nm
- c) 30 to 40 nm
- d) 5 to 10 nm

Correct answer: d) 5 to 10 nm

3. The average bond energy for O-H bonds in water is:

- a) 1000 kJ/mol
- b) 483 kJ/mol
- c) 300 kJ/mol
- d) 10 kJ/mol

Correct answer: b) 483 kJ/mol

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4. DNA was discovered in:

- a) 1953
- b) 1973
- c) 1983
- d) 1970

Correct answer: a) 1953

5. A series of conferences on Biophysics was organized in Genoa in:

- a) 1958
- b) 1959
- c) 1960
- d) 1961

Correct answer: d) 1961

6. The energy required to break a bond is called:

- a) bond energy
- b) gravitational energy
- c) free energy
- d) regular energy

Correct answer: a) bond energy

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7. Electrophysiology study is also known as:

- a) EP Test
- b) PE Test
- c) ECG
- d) EEG

Correct answer: a) EP Test

8. The American Biophysical Society was founded in:

- a) 1947
- b) 1900
- c) 1957
- d) 1857

Correct answer: c) 1957

9. Atomic Force Microscopy measures the _____ properties of living material (such as tissue or cells):

- a) mechanical
- b) optical
- c) physical
- d) regular

Correct answer: a) mechanical

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

- a) WBCs
- b) Platelets
- c) RBCs
- d) Leucocytes

Correct answer: c) RBCs

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