

Biochemistry Quiz: questions and answers



1. What is biochemistry?

- The study of chemical processes within and relating to living organisms
- The field of biology that studies the structure and function of genes at a molecular level
- The set of life-sustaining chemical reactions in organisms

2. Which of the following is not a subfield of biochemistry?

- Protein science
- Quantum chemistry
- Molecular genetics

3. What does DNA stand for?

- Deoxyribonucleic acid
- Deoxy acid
- Deoxyribonucleic arm

4. What is the biomolecule that is soluble in nonpolar solvents called?

- Protein
- Carbohydrate
- Lipid

5. Cholesterol is a _____

- Sphingolipid
- Sterol lipid

Prenol lipid

6. When did George Beadle and Edward Tatum receive the Nobel Prize for work in fungi showing that one gene produces one enzyme?

1960

1962

1958

7. What percentage of the human body is composed of oxygen?

65%

10%

30%

8. What is a large molecule, or macromolecule, composed of many repeated subunits called?

Monomer

Biomolecule

Polymer

9. What is the main function of carbohydrates?

Energy storage and providing structure

To create, encode and store information in the nucleus of every living cell of every life-form organism on Earth

To catalyze chemical reactions

10. Who of the following scientists is often cited to have coined the word "biochemistry"?

Antoine Lavoisier

Carl Neuberg

F. Gowland Hopkins

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Right answers

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