

Biology Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	Who in 1950 , concluded that DNA is a fibrous substance in the form of helix.	A. Erwin Chargaff B. Watson and Crick C. Rosalind D. Linus Pauling
2	Fibrous proteins are characterized by	A. spherical shape and solubility in water B. Tertiary structure and enzymatic actions C. Fibrillar shape and structural roles D. Globular form and hormone production
3	Water exhibits its maximum density at.	A. 4 °C B. 0 °C C. 100 °C D. -100 °C
4	The most abundant organic biomolecules in cells are.	A. Proteins B. Lipids C. Nucleic acids D. Carbohydrates
5	A researcher discovers a protein that changes shape when pH drops below 6.5. This protein is most likely.	A. Fibrous protein B. Actin and myosin C. Collagen D. Globular protein
6	Ice floating protects aquatic ecosystems by	A. Forming an insulating layer that traps heat B. Making compartments in sea C. Reflecting sunlight D. Evaporation prevention
7	Blood ferritin levels are measured in patients as a diagnostic tool of most likely	A. Anemia B. Thalassemia C. Arthritis D. Polycythemia
8	The sugar which acts as a precursor in photosynthesis is.	A. Ribulose B. Glucose C. Ribose D. Erythrose
9	The type of lipid found in our retinal pigments in eyes is.	A. Terpenoid B. Phospholipid C. Waxes D. All of above
10	The total number of different types of amino acids that have been reported to occur in living organisms is.	A. 25 B. 20 C. 170 D. 300
11	The term "Protein" was coined by	A. J. Berzelius B. F. Sanger C. Watson and Crick D. Meselson
12	Chitin differs from cellulose in having.	A. Alpha (1-4) linkages B. Nitrogen-containing groups C. Branched glucose chain D. Ether linkage
13	Which is NOT related to maltose	A. 1,4- glycosidic linkage B. Formed by 2 glucose monomers C. Formed as an intermediate product during digestion of starch D. Beta D glucose
14	The program in DNA that directs cellular activities is stored in.	A. Genes B. Ribosomal proteins C. Phosphodiester bond D. Hydrogen bond

15	Sodium atom loses its electron and becomes cation, while chlorine accepts that electron and becomes anion, and between them, which is also called as	A. Covalent bond B. Ionic bond C. dipole-dipole interaction D. Hydrogen bond
16	What compound would be manufactured with difficulty when soil has a shortage of phosphorus?	A. Proteins B. DNA C. Fatty acids D. Cellulose
17	Which of the following hexoses show stereoisomerism?	A. Glucose and galactose B. Fructose and galactose C. Glucose and fructose D. All of the above
18	Ribosomal RNA comprises approximately what percentage of total cellular RNA?	A. 3-4 % B. 10-15% C. 80% D. 50%
19	Which class of biomolecules is formed by hydrophobic interactions?	A. Lipoproteins B. Glycolipids C. Glycoproteins D. Globular proteins
20	Starch coils into helices, while cellulose forms straight chains, due to differences in	A. Glycosidic bond orientation B. Hydrogen bond number C. Isomerization D. Presence of N-containing groups