

BIOLOGY

SAMPLE TEST QUESTIONS

1. The biological discipline dealing with the study of cell organization is called:
 - a) histology
 - b) genetics
 - c) cytology
 - d) ornithology
2. The basic morphological and functional unit of living matter is:
 - a) cell
 - b) tissue
 - c) individual
 - d) population
3. An important component of hemoglobin is:
 - a) magnesium
 - b) potassium
 - c) calcium
 - d) iron
4. Which chemical bonds will the amino acids bind to form the polymer:
 - a) phosphodiester
 - b) peptide
 - c) glycosidic
 - d) hydrogen
5. Complex proteins:
 - a) consist of multiple polypeptide chains
 - b) are formed by fusing simple proteins with other non-protein molecules
 - c) are albumins
 - d) are globulins
6. Glycolipid composition includes:
 - a) fats and sugars
 - b) protein and sugars
 - c) fats and proteins
 - d) polysaccharides
7. Enzymes are by their chemical nature:
 - a) proteins
 - b) sugars
 - c) fats
 - d) nucleic acids
8. The enzymes that decompose fats are called:
 - a) nucleases
 - b) proteinases
 - c) lipases
 - d) ligases

9. The enzymes that decompose proteins are called:

- a) lipases
- b) polymerases
- c) glycosidases
- d) proteinases

10. Mitochondria are centers of synthesis:

- a) adenosine triphosphate
- b) lipids and carbohydrates
- c) lipids and proteins
- d) proteins and carbohydrates