

# Biochemistry Chapter 1 Test Bank Questions together with the correct marking scheme

1. DNA is made from the building blocks adenine, guanine, cytosine, and \_\_\_\_\_. - **Correct Answer** thymine
2. \_\_\_\_\_: Unbranched polymer that, when folded into its three-dimensional shape, performs much of the work of the cell. - **Correct Answer** protein
3. \_\_\_\_\_: Scheme that describes the flow of information from one strand of DNA to a new strand of DNA. - **Correct Answer** Central Dogma
4. \_\_\_\_\_: Process where large amounts of material are taken into the cell. - **Correct Answer** phagocytosis
5. The transfer of information from DNA to RNA is called \_\_\_\_\_. - **Correct Answer** Transcription
6. \_\_\_\_\_ are cells that are composed of multiple specialized compartments. - **Correct Answer** eukaryotes
7. \_\_\_\_\_: Class of biological macromolecules with many functions, such as forming barriers between cell organelles, serving as a metabolic fuel, and cell-to-cell signaling. - **Correct Answer** lipid
8. \_\_\_\_\_: Highly organized region of the cell where glycolytic metabolism occurs. - **Correct Answer** cytoplasm
9. \_\_\_\_\_: Responsible for protein processing and xenobiotic metabolism. - **Correct Answer** endoplasmic reticulum
10. \_\_\_\_\_: Filled with proteases and other digestive enzymes. - **Correct Answer** lysosome
11. Organisms are known to be highly uniform at the \_\_\_\_\_ level. - **Correct Answer** molecular
12. After hydrogen and oxygen, the next most common element in living systems is. - **Correct Answer** carbon

# Biochemistry Chapter 1 Test

**Ensheng Dong**



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