

CLEP Natural Sciences

Practice Test

Time—90 Minutes
120 Questions

For each question below, choose the best answer from the choices given.

1. Photosynthesis is a process in which plants convert
 - (A) sugar into energy
 - (B) ADP into ATP
 - (C) fructose into glucose
 - (D) carbon dioxide and water into sugar
 - (E) water into peroxide
2. Chloroplasts and mitochondria have the following property in common.
 - (A) Both are involved in protein synthesis.
 - (B) Both are involved in energy generation in the cell.
 - (C) Both are involved in regulating ion concentration in the cell.
 - (D) Both are involved in the transcription of DNA into RNA.
 - (E) Their functions are not related.
3. In cellular respiration
 - (A) glucose is synthesized from carbon dioxide and water
 - (B) glucose is broken down into water and energy is consumed
 - (C) glucose is broken down and energy is created in the form of ATP
 - (D) glycolysis occurs, leading to the formation of ethanol
 - (E) pyruvic acid is converted into glucose
4. Which of the following is found in prokaryotic cells only?
 - (A) DNA
 - (B) Ribosomes
 - (C) Nucleoid region
 - (D) Golgi apparatus
 - (E) Cytoplasm
5. Proteins are synthesized on
 - (A) mitochondria
 - (B) ribosomes
 - (C) centrioles
 - (D) RNA
 - (E) the plasma membrane
6. Chromatin consists of
 - (A) DNA and proteins
 - (B) RNA and proteins
 - (C) RNA and enzymes
 - (D) DNA and RNA
 - (E) DNA only
7. The first step in cell division is
 - (A) division of the cytoplasm
 - (B) alignment of the centrioles
 - (C) duplication of the chromosomes
 - (D) formation of mitotic spindles
 - (E) dissolution of the nuclear membrane

Natural Science Clep Study Guide

James R. A. Frendak

Natural Science Clep Study Guide:

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