

General Biology Knowledge

Biology · Answer Key · 10 Questions

1. Which organelle is primarily responsible for the production of adenosine triphosphate (ATP) in eukaryotic cells?

- A) Nucleus
- B) Mitochondrion**
- C) Ribosome
- D) Golgi apparatus

2. What is the primary sugar produced during the process of photosynthesis?

- A) Fructose
- B) Lactose
- C) Glucose**
- D) Sucrose

3. Which nitrogenous base is found in RNA but not in DNA?

- A) Cytosine
- B) Guanine
- C) Uracil**
- D) Thymine

4. What classification level comes immediately after 'Family' in the taxonomic hierarchy?

- A) Genus**
- B) Order
- C) Class
- D) Phylum

5. In humans, which type of blood vessel is responsible for carrying oxygenated blood away from the heart?

- A) Vein
- B) Capillary
- C) Venule
- D) Artery**

6. Which hormone is responsible for regulating blood glucose levels and is produced by the pancreas?

- A) Insulin**
- B) Adrenaline
- C) Thyroxine
- D) Cortisol

7. What is the term for the physical expression of an organism's genetic makeup?

- A) Genotype
- B) Phenotype**
- C) Allele
- D) Mutation

8. Which part of the plant is primarily responsible for transpiration?

- A) Root
- B) Stem
- C) Leaf**
- D) Flower

9. How many pairs of chromosomes are typically found in a standard human somatic cell?

- A) 22
- B) 23**
- C) 44
- D) 46

10. What is the basic structural and functional unit of the nervous system?

- A) Nephron
- B) Axon
- C) Neuron**
- D) Synapse