BIOLOGY

1. What is the typical result of mitosis in humans?

A. two diploid cells

B. two haploid cells

C. four diploid cells

D. four haploid cells

2. How does water affect the temperature of a living thing?

A. Water increases temperature.

B. Water keeps temperature stable.

C. Water decreases temperature.

D. Water does not affect temperature.

3. Which of the following is not a product of the Krebs cycle?

A. carbon dioxide

B. oxygen

C. adenosine triphosphate (ATP)

D. energy carriers

4. What kind of bond connects sugar and phosphate in DNA?

A. hydrogen

B. ionic

C. covalent

D. overt

5. What is the second part of an organism's scientific name?

A. species

B. phylum

C.   population

D.   kingdom

6.   How are lipids different than other organic molecules?

A.   They are indivisible.

B.   They are not water soluble.

C.   They contain zinc.

D.   They form long proteins.

7.   Which of the following is not found within a bacterial cell?

A.   mitochondria

B.   DNA

C.   vesicles

D.   ribosome

8. Which cell organelle functions to transport materials from the endoplasmic reticulum throughout the cell?

A.   Ribosome

B.   Golgi apparatus

C.   Lysosome

D.   Vacuole

9.   Which of the following are the distinct organelles that produce cell energy?

A.   Mitochondrion and chloroplast

B.   Mitochondrion and nucleus

C.   Chloroplast and nucleus

D.   Chloroplast and lysosome

10.   Which component of the cell contributes to the protection, communication, and passage of substances into and out of the cell?

A.   Nucleus

B.   Cell membrane

C.   Endoplasmic reticulum

D.   Cytoplasm

11.   Which of the following is a protein?

A.   cellulose

B.   hemoglobin

C.   estrogen

D.   ATP

12.   Which of the following structures is not involved in translation?

A.   tRNA

B.   mRNA

C.   ribosome

D.   DNA

13.   Which of the following is necessary for cell diffusion?

A.   water

B.   membrane

C.   ATP

D.   gradient

14.   How many different types of nucleotides are there in DNA?

A.   one

B.   two

C.   four