

CLIL Biology Quiz Answers

Section 1: Fill in the Blanks

Fill in the blanks with the appropriate words.

Chlorophyll – mitosis – nucleus – mitochondrion - diffusion

The **nucleus** is the control center of the cell that contains the genetic material.

The **mitochondrion** is the powerhouse of the cell that converts food into energy.

The **chlorophyll** is the green pigment in plant cells that absorbs light for photosynthesis.

The **diffusion** is the movement of molecules from an area of high concentration to an area of low concentration.

The **mitosis** is the process by which cells divide to produce new cells.

Section 2: True or False

Determine whether the following statements are true or false. Write "T" for true and "F" for false.

DNA is a double helix made of nucleotides **T**

Genes are segments of DNA that code for proteins **T**

RNA is a single helix made of amino acids **F**

Mutations are changes in the sequence of DNA that can be beneficial, harmful or neutral **T**

Genetic engineering is the manipulation of DNA to create new organisms or traits **T**

Section 3: Multiple Choice

Choose the best answer for each question.

1- What is the basic unit of life?

A) Cell

B) Atom

C) Molecule

D) Organism

Answer: a

2- Which organelle is responsible for photosynthesis?

A) Mitochondria

B) Chloroplasts

C) Ribosomes

D) Nucleus

Answer: b

3- What is DNA?

- A) A type of protein**
- B) A type of carbohydrate**
- C) A type of lipid**
- D) A type of nucleic acid**

Answer: d

4- What is the function of the mitochondria?

- A) To control what enters and leaves the cell**
- B) To provide support and protection for the cell**
- C) To produce energy for the cell**
- D) To store genetic information**

Answer: c

5- What is the function of the ribosomes?

- A) To control what enters and leaves the cell**
- B) To provide support and protection for the cell**
- C) To produce energy for the cell**
- D) To make proteins** **Answer: d. To make proteins**