

## CLIL Biology Quiz

### Section 1: Fill in the Blanks

Fill in the blanks with the appropriate words.

#### *Chlorophyll – mitosis – nucleus – mitochondrion - diffusion*

The \_\_\_\_\_ is the control center of the cell that contains the genetic material.

The \_\_\_\_\_ is the powerhouse of the cell that converts food into energy.

The \_\_\_\_\_ is the green pigment in plant cells that absorbs light for photosynthesis.

The \_\_\_\_\_ is the movement of molecules from an area of high concentration to an area of low concentration.

The \_\_\_\_\_ 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 .....

Genes are segments of DNA that code for proteins .....

RNA is a single helix made of amino acids .....

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

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

### 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**

**2- Which organelle is responsible for photosynthesis?**

**A) Mitochondria**

**B) Chloroplasts**

**C) Ribosomes**

**D) Nucleus**

**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**

**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**

**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**