



End of year evaluation  
Biology form four  
Time allowed 1H

Name	
Class	
Subject	

Section A : Mark an X on the letter of the correct answer.

1) Which statement best describes saprophytism

1. Lives in or on host
2. Causes no harm to host
3. Feed on dead decaying organic matter

2) HCl in the stomach

1. Kills bacteria present in food
2. Activates trypsinogen to trypsin
3. Digest chyme

3) The effect of cigarette smoking on respiratory system

1. Breathing difficulties
2. Darkening of the lung
3. Bursting of the lungs

Questions 4\_5 concerns this group of answers. Select the correct answer

- A) Pollution
- B) Eutrophication
- C) Fertilization
- D) Blooming

4) Enrichment of the water body with inorganic ions and humus leads to algal bloom.

- A) Osmosis
- B) Diffusion
- C) Active transport
- D) Water transport

5) Movement of water molecule from the region of water molecule from the region of higher concentration to that of lower concentration across a selectively permeable membrane

SECTION B Answer all the questions

1.

a. State the functions of the following organelles

- i. Nucleus
- ii. Mitochondria
- iii. Ribosomes

b. Tabulate the differences between plant and animal cell (9,6,5)

Part two.

2) a) How is photosynthesis importance to man

- b) State how green leaves are adapted to carry out photosynthesis
  - c) Differentiate between photosynthesis and respiration
- (4,7,4)

**Part three**

- 3) a) Differentiate between aerobic and anaerobic respiration (4 marks)
- b) Draw and label the human lung (5 marks)
- c) State the characteristic of a good respiratory surface (5 mark)

**Part four**

- 4) a) Define transport (1 mark)
- b) state the vascular bundle in plant and function of each (4 marks)
- c) Explain how water and mineral salt are transported from the soil to plant (10 marks)