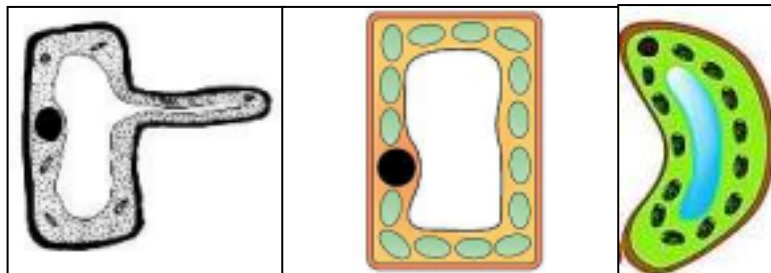


Name: ..... Stream:.....

### S.1 BIOLOGY HOLIDAY WORK

#### ITEM 1

Plants are described as producers because they make food and avail the food to other organisms from which they benefit either directly or indirectly. For plants to make their own food, they use available materials from their environment. In the process of obtaining these materials, plants use different organs to do so. These organs manage to obtain these materials because they have special cells in them.



**Task.**

**A.**

**B.**

**C**

a) By identifying the above cells, explain the meaning of a specialized cell.

---

---

---

---

---

b) State how the function of each cell enable the plant to obtain the necessary material the plant needs.

---

---

---

---

---

---

c) State one adaptation that each cell, has to enable it perform its function.

A \_\_\_\_\_

B \_\_\_\_\_

C \_\_\_\_\_

**ITEM 2**

The figure below shows one of the systems in the human body. The system performs some functions that are always interfered by some disorders. Use it to answer the questions that follow.



**Task**

a) Identify the above system and state three reasons for your answer.

---

---

---

b) Identify the functions of this system in the human body.

---

---

c) Mention any disorders that interfere with the normal functioning of the above system. State the different ways through which the disorders can be transmitted and the possible prevention measures for them.

---

---

---

---

---

---

---

---

---

---

---

---

**Item 3**

A father in the village family has his boy. The father finds challenges with planting and caring for his plants. This has resulted in to rapid spread of infections in the plantations and consequently producing low yields. The father does not know the pests that attack his plantations as well as the chemicals he should use to overcome these pests and vectors. His son realized what his father is going through, so he decided to study so as to assist his dad in the gardens.

***Task***

State with reasons, the possible branches of biology the family son should pursue so as he can help his father to overcome these challenges. How have the biological discoveries turned to be harmful to man and on the other hand state the ways through which the knowledge of biology has been productively applied in the everyday survival of man.

**END**