

## Ss2 Biology

1. With the aid of a diagram, give a brief description of the nephron
2. A. Enumerate the properties of a cell  
B. Explain the type of mouthpart adapted for Biting and chewing insects
3. A. In a tabular form, write out the types of teeth in heterodynes and their function  
B. Give the dental Formula for the following :
  - I. Man
  - II. Dog
  - III. Rabbit
  - IV. Sheep
4. Highlight the Pathogens of these diseases
  - I. Cholera
  - II. Trypanosomiasis
  - III. Malaria
  - IV. Typhoid
  - V. Syphilis
  - VI. Gonorrhea
5. A. Draft 3 food chains in a terrestrial habitat  
B. Draft 3 food chains you can find in an Aquatic habitat
6. A. State the laws of thermodynamics  
B. Relate the laws to the following
  - I. Energy flow
  - II. Pyramid of energy
  - III. Food chain
7. A. List out the different Respiratory organs in the following organisms
  - I. Amoeba
  - II. Frog (larvae)
  - III. Frog (adult)
  - IV. Spider
  - V. Fly
  - VI. Crabs
  - VII. Man  
B. Relate the surface area to volume ratio and Respiratory surfaces to the ease of respiration