

# Science Worksheet

## Grade X Life Processes

Q1. Choose the correct answer:

- a. The internal (cellular) energy reserve in autotrophs is
  1. Glycogen
  2. Protein
  3. Starch
  4. Fatty acid
- b. Where is bile juice produced?
  1. Blood
  2. Spleen
  3. Gall bladder
  4. Liver
- c. Normal blood pressure range is
  1. 120/80
  2. 100/60
  3. 140/90
  4. 90/50
- d. Which one of the following is called white vascular connective tissue?
  1. Lymph
  2. Blood
  3. Serum
  4. Plasma
- e. Tubes extending between the kidney and urinary bladder are
  1. Ureters
  2. Vasa deferentia
  3. Urethra
  4. Oesophagus

Q2. Write the differences between:

- a. Alveolus and nephron
- b. Transport of material in xylem and phloem
- c. Aerobic and anaerobic respiration
- d. Excretion in plant and animal

Q3. Define the following:

- a. Salivary gland
- b. Pancreas
- c. Oesophagus
- d. Photosynthesis
- e. Chloroplast

Q4. How is the amount of urine produced regulated?

Q5. How can haemodialysis save and prolong the life of uramic patients?

Q6. How is food transported in plants?

Q7. What are the components of the transport system in highly organized plants?

Q8. What are the components of the transport system in human beings? What are the functions of these components?

Q9. Explain the process by which inhalation occurs during breathing in human beings.

Q10. Describe the alimentary canal of a human.