

**National Institute of Open Schooling**  
**Lesson 5- Tissues and other Level of Organisation**  
**Worksheet-5**

1. How are xylem and phloem tissues different from each other in terms of their structure and functions.
2. Differentiated between the pairs of terms
  - a. Parenchyma and collenchyma
  - b. Chlorenchyma and aerenchyma
  - c. Squamous epithelium and columnar epithelium
  - d. Adipose tissues and mast cells
3. A permanent slide shows a tissues with cube like cells and with a centrally placed nucleus and no cilia. Name the tissue alongwith its location in human body and its function.
4. Phloem is composed of different cells but is still called a tissues. Why?
5. Describe the location and name of meristem which is responsible for the growth an length and increase in thickness of the plants
6. Green leaves prepare food by the process of photosynthesis and this food is stored in the various parts of the plant. Prepare a flow chart of cells or tissues or organs those involved in this process i.e. manufacture, transport and storage of food.
7. What happens, if our body does not have any organ system?
8. Draw a diagram of a monocytes and show the current shape of nucleus in it.
9. Identify the different levels of organization in a living beings. Give one or two examples of each from human body.
10. A particular muscle tissue shows striation in it. Draw a detailed diagram of this muscle and mention its function also.