

W

Home Assignment

1. Why plant tissue differ from Animal tissue?

Plant tissue differs from animal cell due to following reasons:-

- Plant tissue are generally consist of dead cells while animal tissue is consist of living cells
- Some specific tissue are growing in plant throughout their life but in animal all tissue are growing generally
- In animal all tissue generally divide till death in plant only meristematic tissue divide
- Organ system of animals are far specialised & localised than plants.
- Animal tissue help in locomotion while plant tissue help in sedentary existence

2. Differentiate b/w two types of plant tissue?

Simple Tissue

Complex Tissue

- | | |
|---|---|
| → They are composed of one type of cells only | → These are composed of more than one type of cell |
| → Cells of these tissue carry out same function | → Cells of this tissue carry out different functions. |
| → Ex → Parenchyma, Collenchyma, Sclerenchyma | → Ex = Xylem & Phloem. |

- Q1) What are the four different types of animal tissue?
- The four diff. types of animal tissue are
- 1) Epithelial tissue: ~~are~~ They line body surfaces & cavities. They don't have blood vessels and dependent upon the underlying connective tissue for nutrients.
 - 2) Connective tissue: They are characterized by the presence of extracellular matrix. The extracellular matrix composed of protein fibres & ground substance.
 - 3) Muscle Tissue: They are made up of elongated cells which is used for contraction.
 - 4) Nervous Tissue: It composes the brain, nerves, the peripheral nerves & the spinal cord nerves.

Q2) Why blood is known as special connective tissue?

Blood is known as special connective tissue because it carries many digestive substances, oxygen from lungs, foods from small intestine & provide it to other tissues & organs of the body. Since it connects heart, lungs, small intestine with other tissues of the body, it works as a medium b/w them.