

HW  
4/10/21

Tissues

Q1. Why plant tissue differ from Animal tissue?

Ans) • Plants are autotrophic organisms, so they prepare their own food by photosynthesis whereas animals on the other hand are heterotrophic organisms, so they depend on plants for their food.

- Plants are stationary in nature for which they do not show locomotion whereas animals are not stationary, so they locomote from one place to other.
- Also, both animals and plants perform different functions. So, to suit to the varied functions they are made up of different kind of tissues.

Q2. Differentiate between 2 types of Plant tissue.

Ans) Meristematic Tissue	Permanent tissue
1. It's component cells are small, spherical or polygon and un-differentiated.	It's component cells are large, differentiated with different shapes.
2. Vacuoles are nearly absent.	Large central vacuole occurs.
3. Cell wall is thin & elastic.	Cell wall is thin or thick.
4. It's cells are living.	It's cells may be living or dead.
5. It provides growth to the plant.	It provides protection, support, conduction, storage etc.

Q3. What are the 4 different types of Animal tissue?

Ans) 4 different types of Animal tissue are

- 1. Epithelial tissue
- 2. Connective Tissue
- 3. Muscular tissue
- 4. Nervous Tissue

Q4. Why blood is known as special connective tissue?

Ans) Blood is known as special connective tissue because it is mobile connective tissue composed with plasma and the cells called corpuscles. It is the softest connective tissue. It is slightly alkaline fluid having pH 7.4. It is bright red when oxygenated & purple when deoxygenated.