

9/10/21 ODM CONNECT HOMEWORK

1. Why plant tissue differ from animal tissue?

Ans) * Plants and animals have different types of tissues due to the following reasons:-

* 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 another.

* Also, both animals and plants perform different functions. So, to suit to the varied functions they are made up of different kinds of tissues.

2. Differentiate between two types of plant tissue.

Ans) Difference between 2 types of plant tissue :-

* Meristematic tissue

* Permanent tissue.

Meristematic tissue

* Its component cells are small, spherical or polygonal and undifferentiated

* Cytoplasm is dense, vacuoles are nearly absent.

* Nucleus of each cell of this tissue is large and prominent

* Its cells are living

* It provides growth to the plant

Permanent tissue

* Its component cells are large, differentiated with different shapes.

* Large central vacuole occurs in living permanent cells

* Nucleus of each cell of this tissue is less conspicuous.

* Its cells may be living or dead

* It provides protection, support, conduction, photosynthesis, storage etc

3. What are the four different types of animal tissue?

Ans) The four different types of animal tissue are :-

* Connective tissue * epithelial tissue, muscle tissue and nervous tissue.

4. 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 slightly alkaline fluid having pH 7.4. It is bright red when oxygenated and purple when deoxygenated.