

# ANIMAL TISSUES

are of two types

## SIMPLE

Further classified into

### Epithelial tissue

Are of six types

1. Simple squamous epithelium
2. Stratified squamous epithelium
3. Columnar epithelium
4. Ciliated columnar epithelium
5. Cuboidal epithelium
6. Glandular epithelium

Con  
ty.

Made up of  
more than one  
type of cells

## COMPLEX

Further classified into three types

### Muscular tissue

### Nervous tissue

Are of seven types

1. Bone
2. Blood
3. Cartilage
4. Ligament
5. Areolar
6. Tendon
7. Adipose

## **Simple tissue :**

- Consists of one type of cells
- It is further classified as epithelial tissues

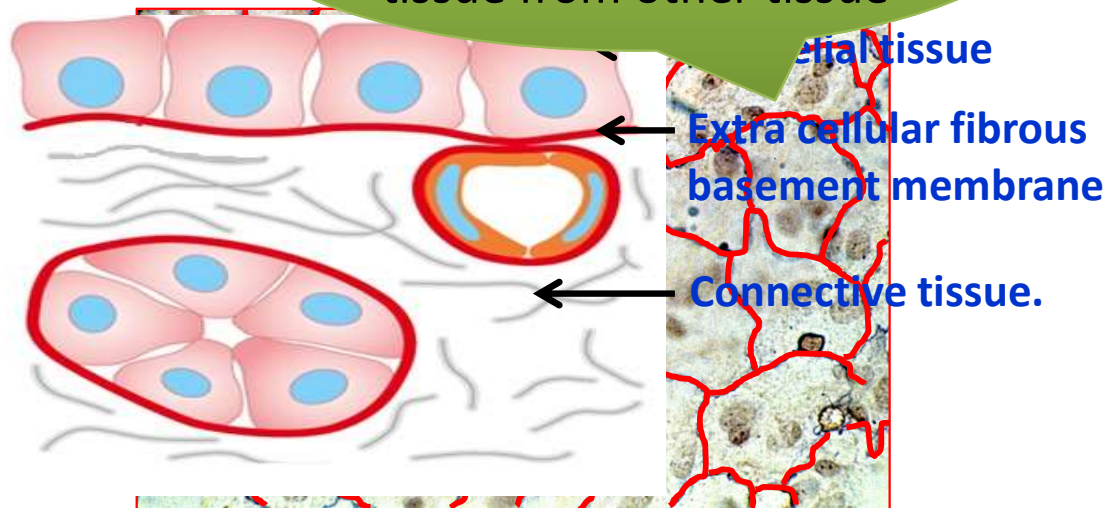
Let us see what are epithelial tissues

## EPITHELIAL TISSUE

- Cells of the epithelial tissue are tightly packed and form a continuous sheet.
- They have no intercellular spaces.
- It is separated from the underlying tissue by an extra cellular basement membrane.

The membrane which separates the epithelial tissue from other tissue

A layer at the base



## EPITHELIAL TISSUE

- Epithelial tissue is present in the skin, lining of the mouth, Lining of blood vessels, alveoli of the lungs, and kidney tubules.
- It forms a protective covering of the animal body.
- It also acts as a barrier between different body systems separate from each other.
- Since the cells are closely packed, the permeability of the cells play an important role in the exchange of materials between the body and external environment.

