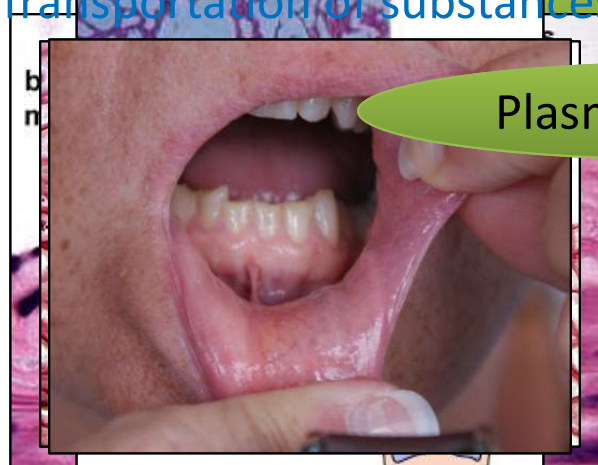
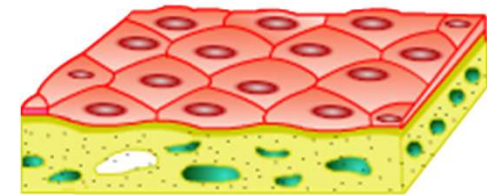


Types of Epithelial Tissues

Simple squamous epithelium

- ◆ Cells are extremely thin, flat, and form a delicate lining.
- ◆ Present in : Lining of blood vessels, lungs alveoli, oesophagus, lining of mouth.
- ◆ Function : Transportation of substances through selectively permeable membrane.



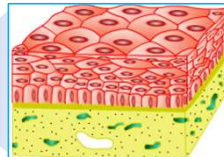
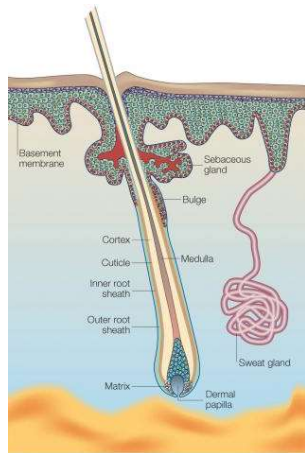
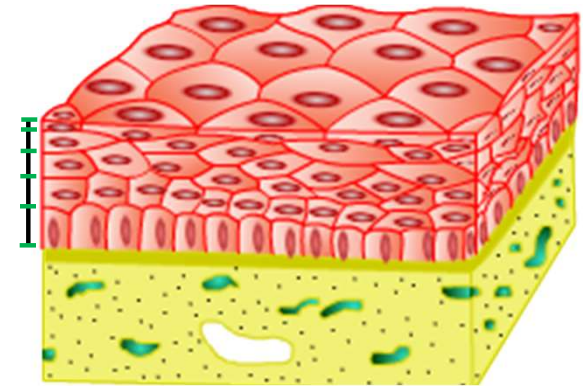
Plasma membrane

Oesophagus
Lining of blood vessels
Lungs alveoli

Types of Epithelial Tissues

Stratified squamous epithelium

- ◆ In this tissue, the cells are arranged to form a pattern of layers.
- ◆ Present in : Outer layer of skin.
- ◆ Function : Protects the body organs, prevents wear and tear of skin.

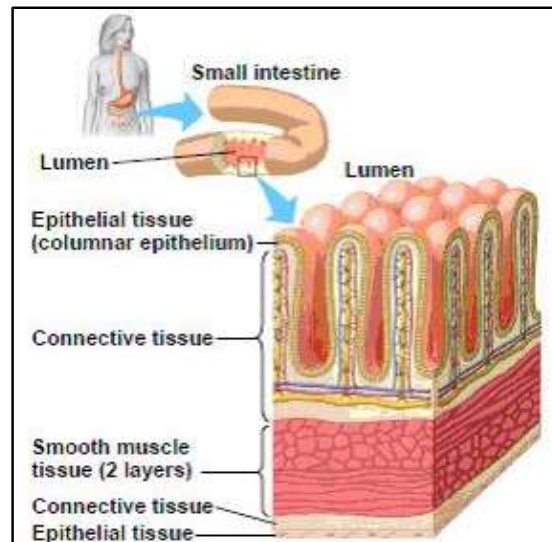
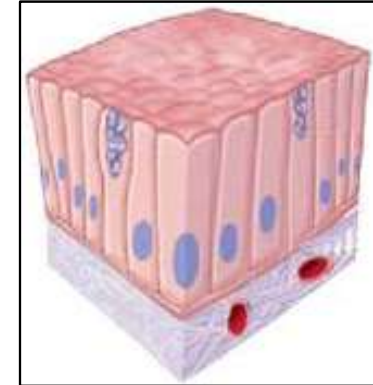


Damage

Types of Epithelial Tissues

Columnar epithelium

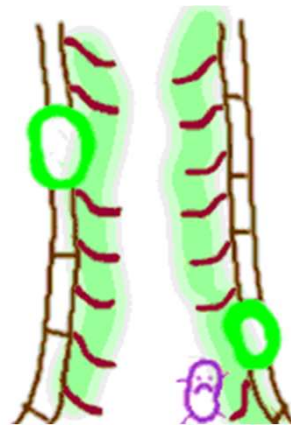
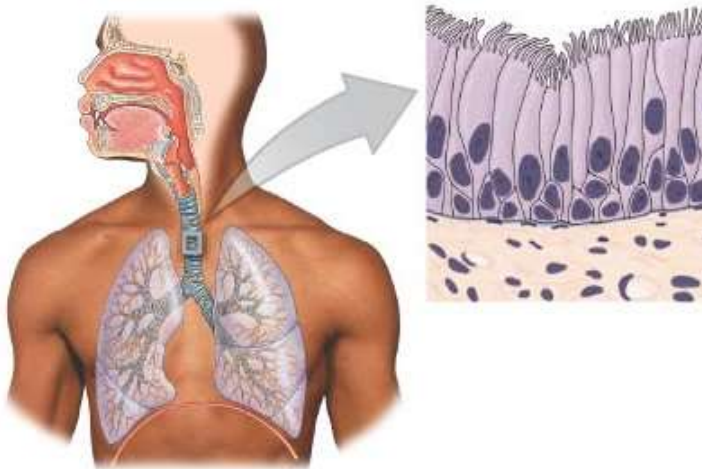
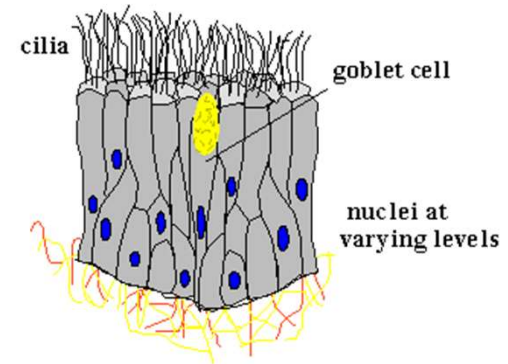
- ◆ These cells are tall and arranged like pillars.
- ◆ Present in : Inner lining of intestine.
- ◆ Function : Secrete digestive enzymes and performs absorption of nutrients from digested food.



Types of Epithelial Tissues

Ciliated columnar epithelium

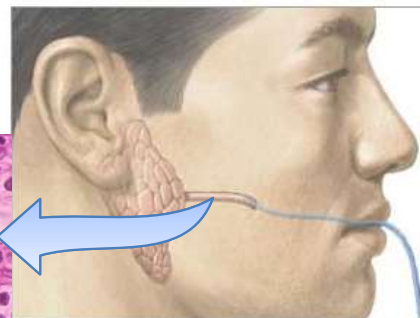
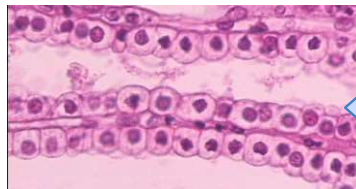
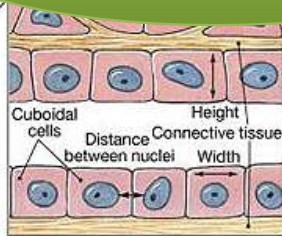
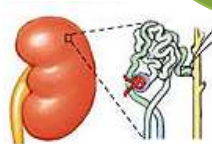
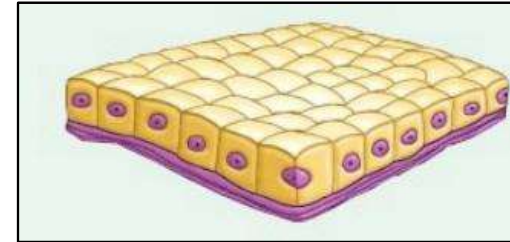
- ◆ Columnar epithelium having hair like projections.
- ◆ Present in : Respiratory tract.
- ◆ Function : Due to movement of the cilia, the mucous and air is pushed forward to clean the respiratory tract.



Types of Epithelial Tissues

Cuboidal epithelium

- ◆ The cells are cube shaped.
- ◆ Present in : Lining of kidney tubules and ducts of salivary glands.
- ◆ Function : It helps in the absorption of useful materials, from urine before it is passed.



Tiny tubes which produce urine.

Tubes which carry saliva.

Types of Epithelial Tissues

Glandular epithelium

- ◆ Sometimes a portion of the epithelial tissue folds inward to form a multicellular gland.
- ◆ This structure is called glandular epithelium.
- ◆ Function : It performs the function of secreting substances like, sweat, oil, mucous from the skin.

