

University of Basrah
Veterinary College



Biology Practical

Dr. Israa Muhsen Essa

٢٤/٣/٢٠٢٤

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Animal tissue

College of Veterinary Medicine

University Of Basrah

First Grade

Biology Practical

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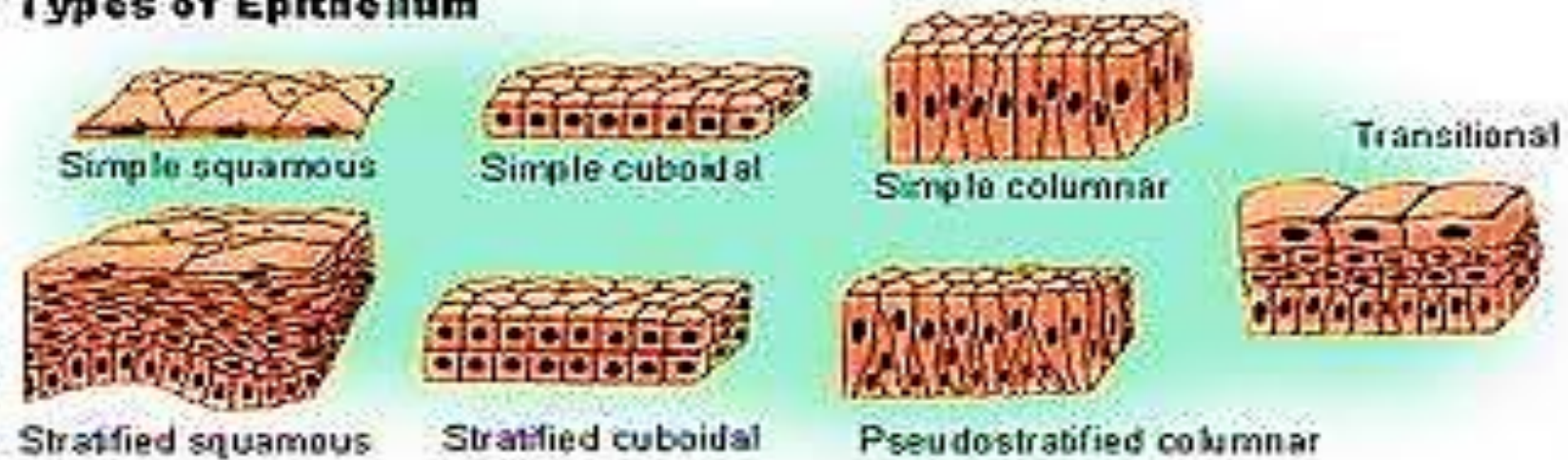
Animal tissue

A **tissue** is a group of similar cells and their extracellular (matrix) from the same origin, which together carries out a specific function. The functional grouping together of multiple tissues then forms **organs**.

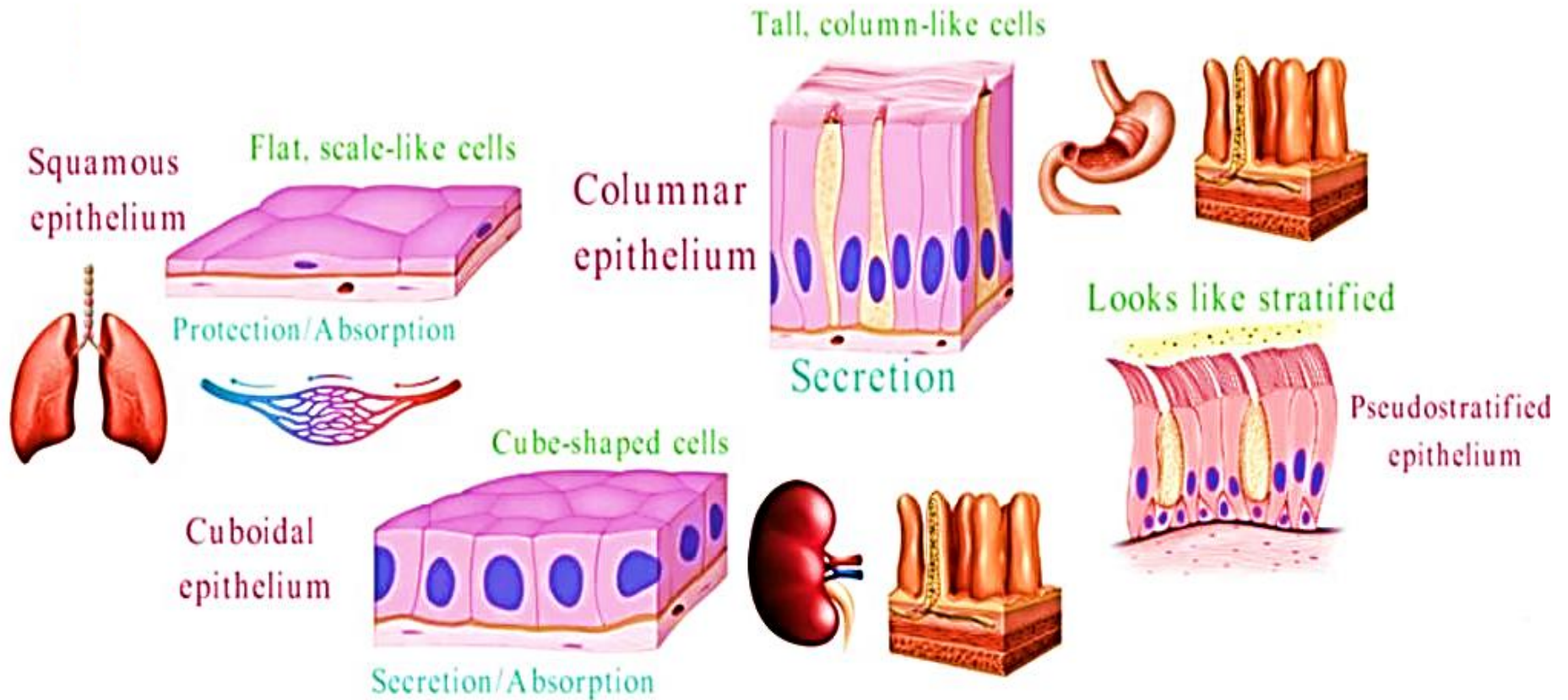
There are four main types of tissues;

1. **Epithelial Tissue** is made up of layers of tightly packed cells that line the surfaces of the body. Examples of epithelial tissue include the skin, the lining of the mouth and nose, and the lining of the digestive system.

Types of Epithelium

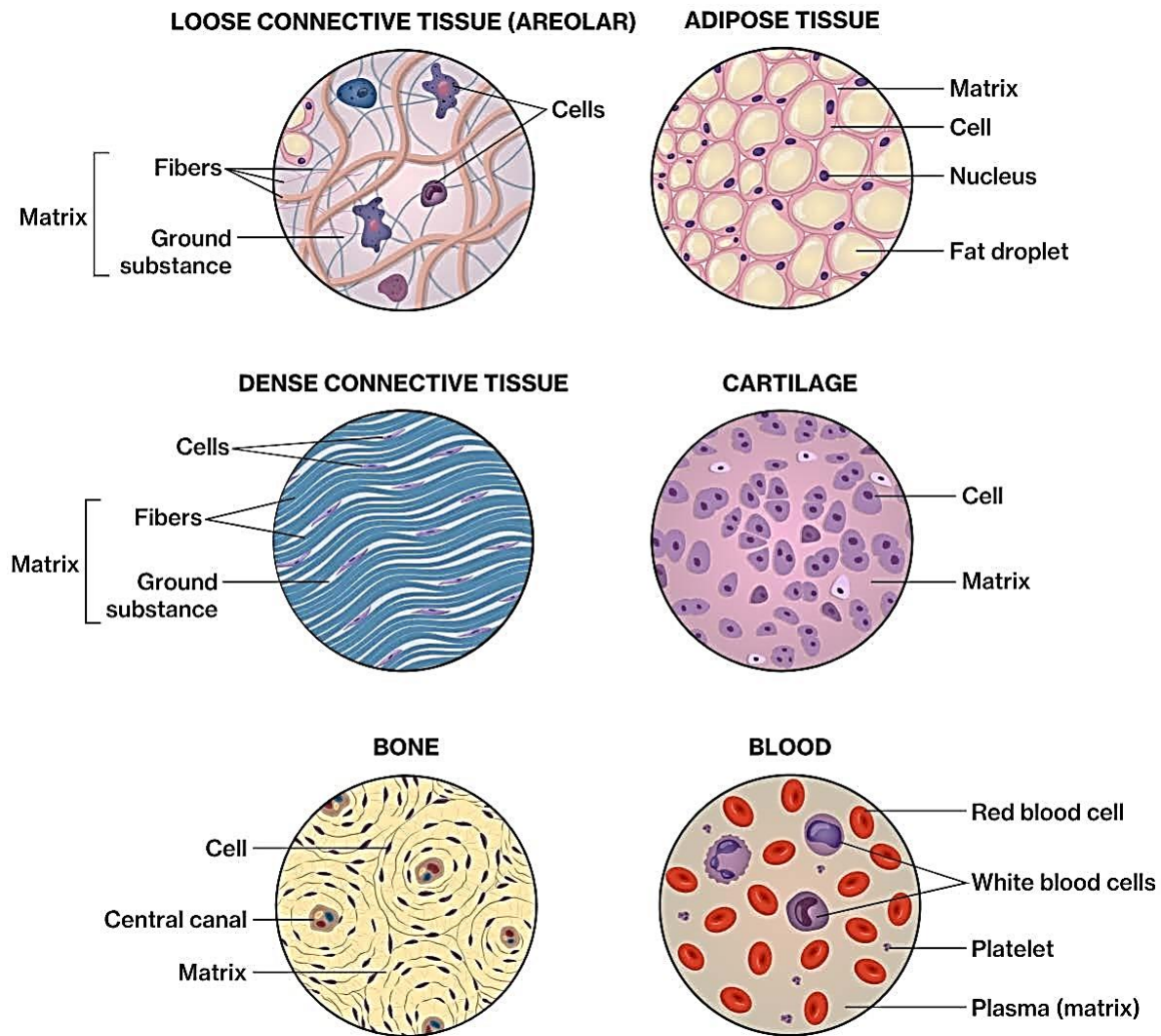


Epithelial tissues

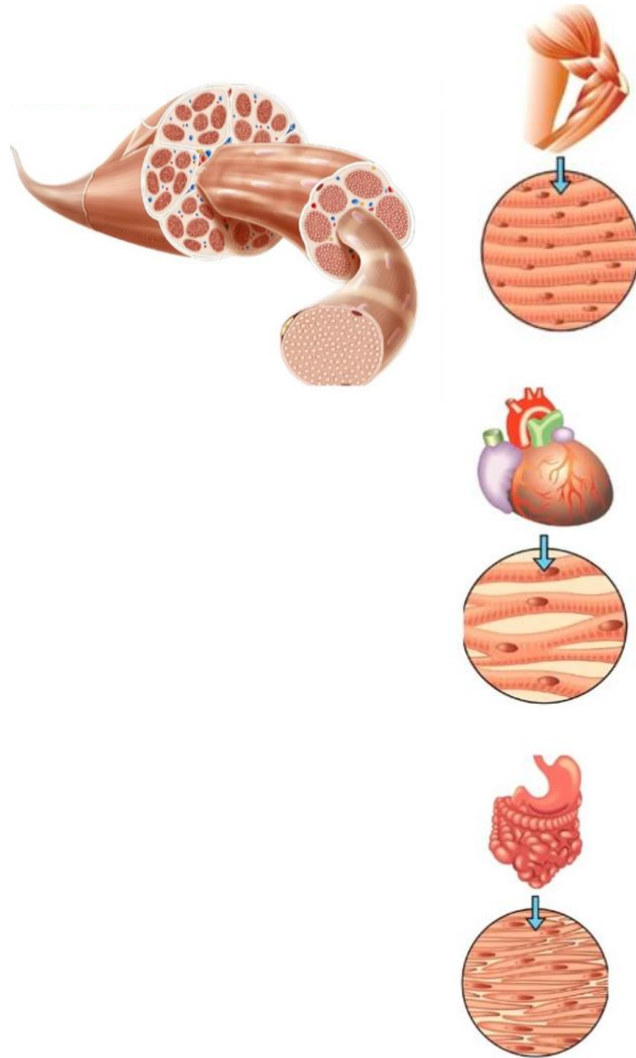


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2. **Connective Tissue** is made up of many different types of cells that are all involved in supporting and binding other tissues of the body. Examples include tendon, cartilage, and bone. Blood is also classified as a specialized connective tissue.

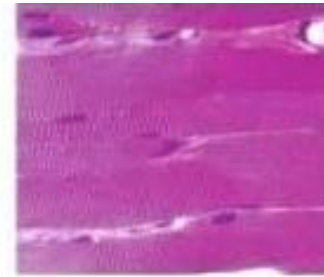


3. **Muscle Tissue** is made up of bands of cells that contract and allow movement.



Muscle Tissues

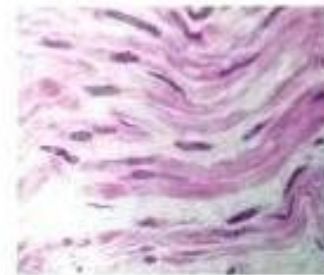
Skeletal



Cardiac

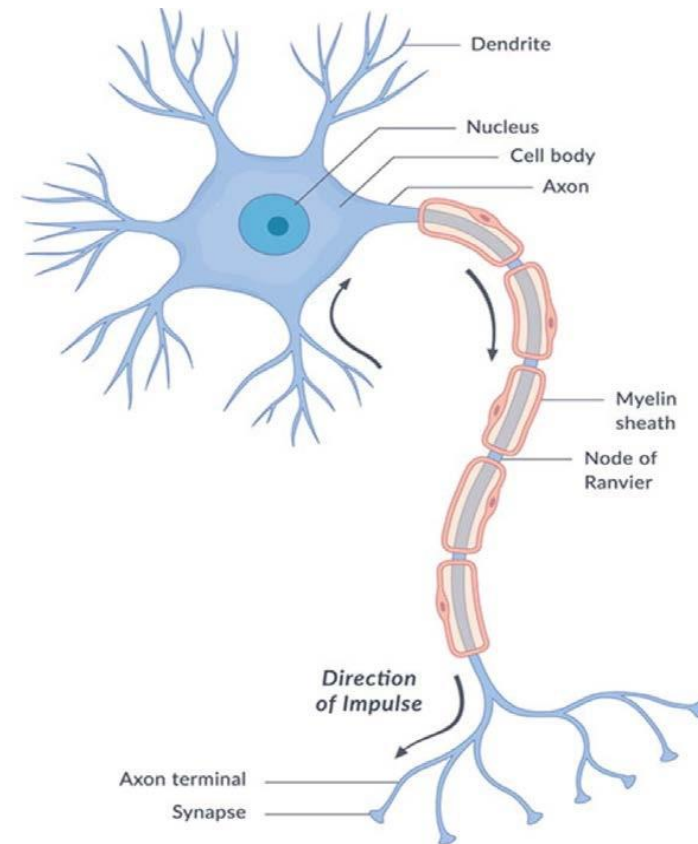
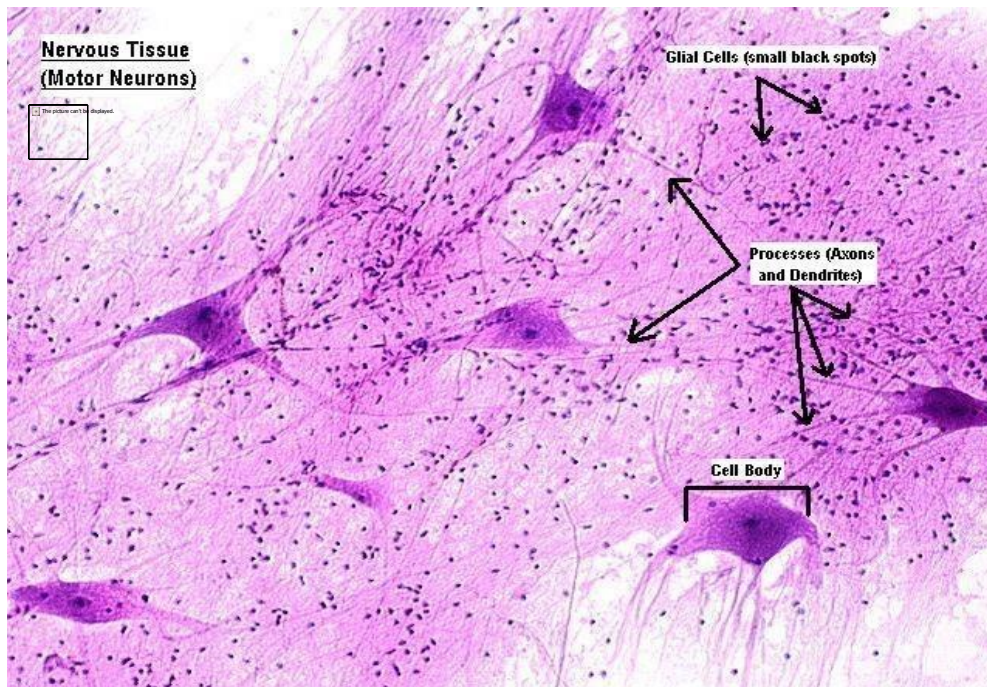


Smooth



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❧. **Nervous Tissue** is made up of nerve cells that sense stimuli and transmit signals. Nervous tissue is found in nerves, the spinal cord, and the brain.



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Neurons
Unit of nervous tissue