

ANIMAL TISSUES

OBJECTIVES

- Students identify and explain the formation of tissues from cells.
- Students understand the importance of animal tissues.
- Students can distinguish the different animal tissues.
- Students identify and explain the characteristics and functions of animal tissues.
- Students can distinguish between plant and animal tissues.

ANIMAL TISSUES

EPITHELIAL TISSUE

- Protects and covers the body
- Lines the inner wall of alimentary canal(digestive tract)
- Functions of epithelial tissue – protection, absorption & production of secretions.

NERVOUS TISSUES

- Controlling and co-ordinating physiological functions
- Enables to respond identifying changes inside and outside the body

MUSCULAR TISSUES

- It consists of muscle cells
- Muscle cells can contract and regain the original state
- It helps in movement

CONNECTIVE TISSUE

- It either connects different tissues or act as support to them
- Eg : Tendons – it connects muscles to bones

Ligaments – it connects bones together

- Connective tissues – **BONE,CARTILAGE,FIBROUS TISSUE,BLOOD**

- **BONE AND CARTILAGE**

- Helps in movement
- Provide shape, support and strength to body
- Cover and protect internal organs

- **BLOOD**

- Conduction of materials
- Transporting respiratory gases and nutrients
- Provides immunity (makes body resistant to diseases)

- **FIBROUS TISSUES**

- Connects other tissues
- Eg: holds eyes and kidney in proper place.

❖ **VIDEO**

<https://youtu.be/HRDrCGSDPsA>

❖ **CHECK YOUR UNDERSTANDING
QUESTION PAPER**

❖ **REFERENCES**

<https://opentextbc.ca/biology/chapter/14-2-animal-primary-tissues/#:~:text=Multicellular%20complex%20animals%20have%20four,specialized%20functions%20within%20the%20body.>

[https://en.wikipedia.org/wiki/Tissue_\(biology\)](https://en.wikipedia.org/wiki/Tissue_(biology))

https://drive.google.com/file/d/1StXDjqbS1e1kPWpPLRy0HKSTok_sBbvH/view?usp=sharing