



BIOLOGY

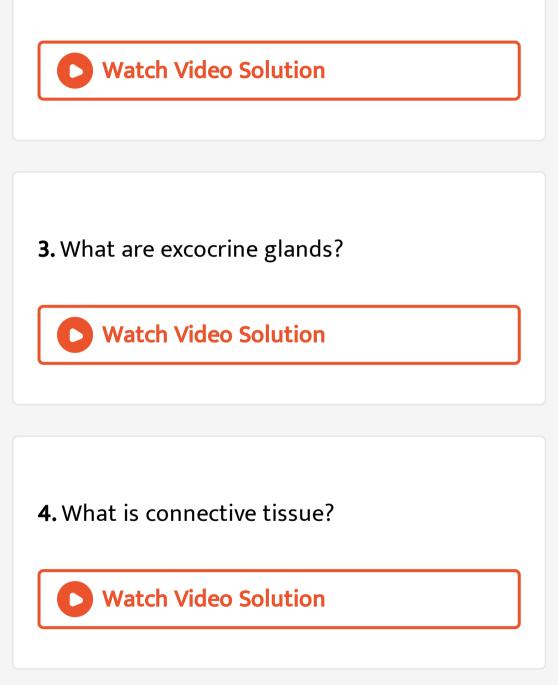
BOOKS - SARAS PUBLICATION

TISSUE LEVEL OF ORGANISATION

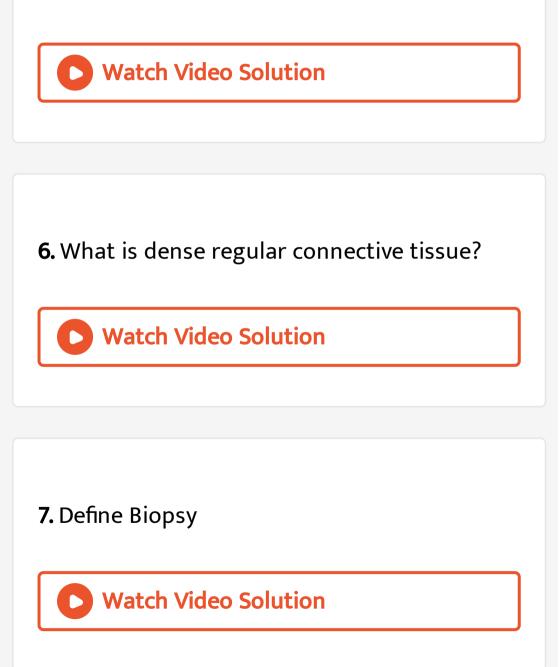


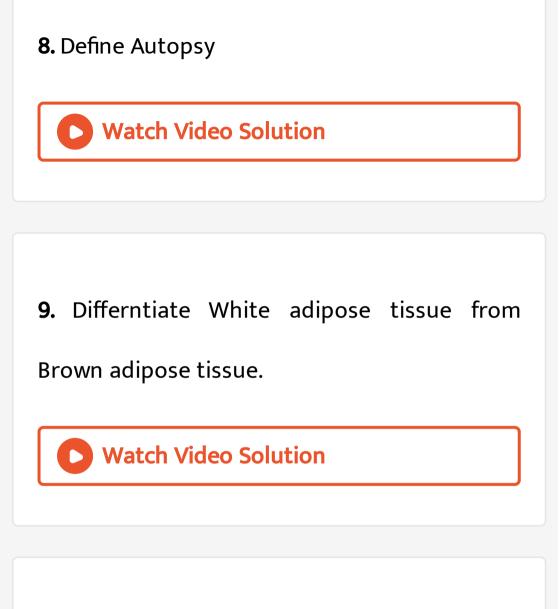
1. What is organ system?

2. What is glandular epithelium?



5. What are dense connective tissues?





10. Differentiate between elastic fibres and elastic connective tissue

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Exercise

- **1.** The main function of the cuboidal epithelium is
 - A. Protection
 - **B.** Secretion
 - C. Absorption
 - D. Both (b) and (c)





2. The ciliated epithelium lines the

A. Sking

- B. Digestive tract
- C. Gall Bladder
- D. Trachea





3. What type of fibres are found in connective

tissue matrix?

A. Collagen

B. Areolar

C. Cartilage

D. Tubular





4. Prevention of substances from leaking across the tissue is provided by

A. Tight junction

- B. Adhering junction
- C. Gap junction
- D. Elastic junction

Answer:

5. Non-shivering thermogenesis in neonates produces heat through.....

A. White fat

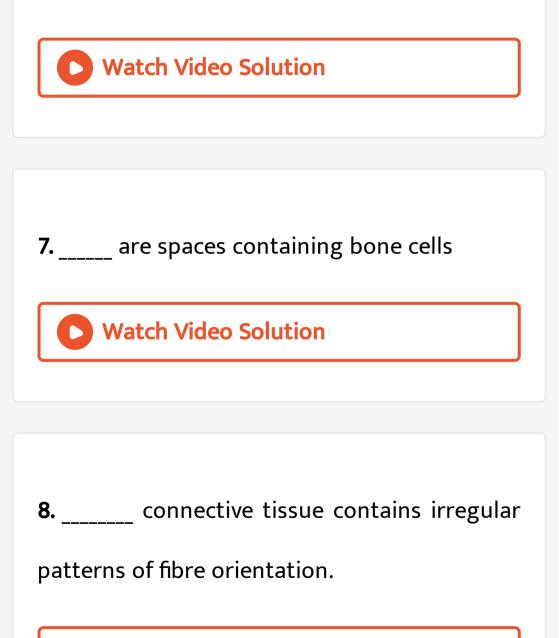
B. Brown fat

C. Yellow fat

D. Colourless fat

Answer:

6. The study of tissues is called as



9. Fibne fibrils are called____

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10. Most of the cells in areolar tissue are

A. Fibroblasts

B. Macrophages

C. Mast cells

D. All the above





11. Reticular connective tissue is not found in

A. Liver

- B. Spleen
- C. Kidneys
- D. Skin





12. Collagen is

A. Lipid

B. Carbohydrate

C. Globular protein

D. Fibrous

Answer:

13. The tissue that lines and covers the body

is___

A. Epithelium

B. Connective

C. Nervous

D. Muscle

Answer:

14. Connective tissue develops from—

A. Endoderm

B. Ectoderm

C. Mesoderm

D. Endomesoderm



15. Cartilage and bone are type of

A. Muscular tissue

B. Connective tissue

C. Meristematic tissue

D. Complex tissue

Answer:

16. Match the folloiwng and choose the correct

option

A. Adipose tissue - (i) Nose B. Stratified epithelium - (ii) Blood C. Cartilage - (iii) Skin D. Fluid connective tissue - (iv) Fat storage

A. A-I,B-ii,C-iii,D-iv

- B. A-iv,B-iii,C-I,D-ii
- C. A-iii,B-I,C-iv,D-ii
- D. A-ii,B-I,C-iv,D-iii



17. Which one of the following types of cell is involved in making of the inner walls of blood vessels?

- A. Cuboidal epithelium
- B. Columnar epithelium
- C. Squamnous epithelium
- D. Stratified spithelium



18. Which one of the following is not a connective tissue?

A. Bone

B. Cartilage

C. Blood

D. Muslces





19. Below the skin, the fat is in the form of

A. Lipoproteins

B. Adipose tissue

C. Mucous layer

D. Lymphoid tissue

Answer:

20. Which one of the following has mast cells?

A. Adipose tissue

- B. Areolar tissue
- C. Yellow fibrous tissue
- D. White fibrous tissue



21. The tissue present in the lining of kidney tubules ducts and secretory portions of glands.

- A. Squamous epithelium
- B. Glandular epithelium
- C. Cuboidal epithelium
- D. Columnar epithelium

Answer:

22. Which of the following made of several layers of cells?

A. Ciliated epithelium

B. Stratified epithelium

C. Cuboidal epithelium

D. Columnar epithelium

Answer:

23. Which of the following is arranged in a single layer?

A. Stratified epithelium

B. Ciliated epithelium

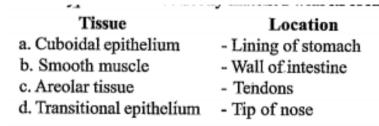
C. Pseudo-Stratified epithelium

D. Transitional epithelium

Answer:

24. What type of tissue correctly matched with

its location?



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25. Smooth muscles are

A. Involuntary, Cylindrical, Striated

B. Voluntary, Spindle shaped, Uninucleate

C. Involuntary, Fusiform, Non striated

D. Voluntary, Multinucleate, Cyclinderical

Answer:



26. Which one of the following is not a function of epithelial tissue?

A. Respiration

B. Protection

C. Absorption

D. Secretion

Answer:



27. What is the role of an exocrine gland?

A. To secrete substances ionto lymph

B. To secrete hormones

C. To secrete and release the substances

through ducts

D. To secrete substances into the blood

Answer:

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28. Which of the following is not an example of

connective tissue?

A. Blood

B. Cartilage

C. Areolar

D. Transitional

Answer:

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29. Brown fat found in

A. Females

B. Males

C. Neonates

D. None of the above

Answer:



30. Which one of the following is not a simple

epithelium

A. Squamous epithelium

B. Cuboidal epithelium

C. Straitified epithelium

D. Columnar epithelium

Answer:



31. Transitional epithelium occurs in

A. Buccal cavity

B. Ducts of glands

C. Digestive tract

D. Urinary bladder

Answer:



32. Select the correct sequence

A. Molecules ightarrow Tissues ightarrow Cells ightarrow

Organ systems \rightarrow Organisms

B. Molecules \rightarrow cells \rightarrow tissues \rightarrow

organs ightarrow organ systme ightarrow

	•
organ	ISMS

 ${\sf C. Cells} \ \rightarrow \ {\sf molecules} \ \rightarrow \ {\sf Organs} \ \rightarrow$ Tissues ightarrow organ systems ightarrowOrganisms D. Organisms ightarrow Organs ightarrow Organ system ightarrow cells ightarrow Tissues ightarrowMolecules

Answer:

33. Which one of the following is a specialized

connective tissue?

A. Bone

B. Mast cells

C. Fibres

D. Lymphocytes

Answer:

34. Osteocytes are

A. Bone cells

B. Blood cells

C. Nerve cells

D. Lymph cels

Answer:



35. Osteocytes are present in the spaces called

A. Intercellular space

B. Lacunae

C. Diaphragm

D. Tight junction

Answer:

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36. What level of organisation is made up of group of similar cells that perform a specific function?

A. Tissue

B. Organ

C. Organelle

D. Organ System

Answer:

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37. The most basic unit of organization in animals is the

A. Cell

B. Tissue

C. Organelle

D. Organ System

Answer:

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38. The shape of smooth muscle is

A. Cylindrical

B. Spindle

C. Fusiform

D. Napiform

Answer:

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39. Palmaris muscles is important for ____ and

____ in primates

A. Running and Swimming

B. Hanging and climbing

C. Flying and jumping

D. Eating and Drinking

Answer:

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40. Some epithelia are pseudostratified. What

does this mean?

41. Differntiate White adipose tissue from

Brown adipose tissue.

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42. Why do we consider blood as a connective

tissue?



43. Differentiate between elastic fibres and

elastic connective tissue.

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44. Name any four important functions of epithelial tissue and provide atleast one example of a tissue that exemplifieseach functions.



45. Write the classification of connective tissue

and their functions.



46. What is an epithelium? Enumerate the

characteristic features of different epithelia.

47. Tissues are called the living fabrics of an

organisms - Elucidate

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48. What is organ system?

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49. How animal tissues are classified?

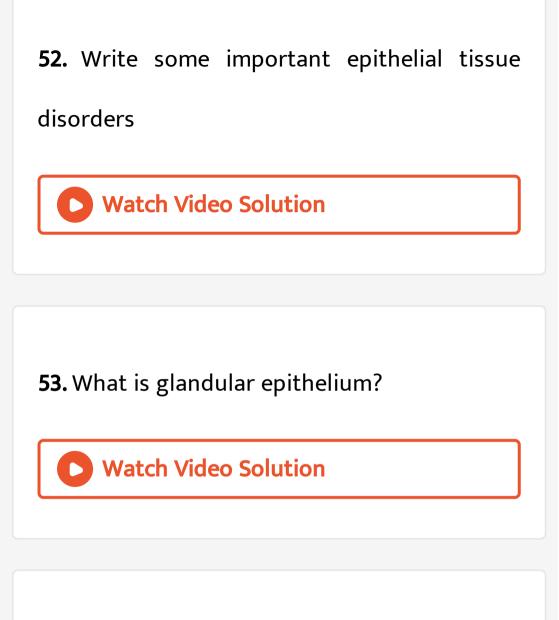
50. Write the basic tissue types of animal

tissue.



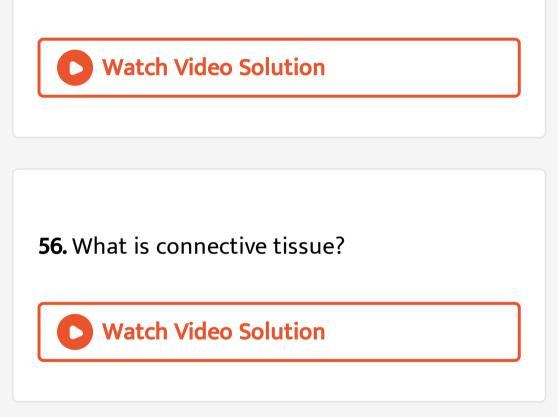
51. What are the functions of Pseudostratified

epithelium



54. What are exocrine glands?

55. What are endocrine glands?



57. What are dense connective tissues?

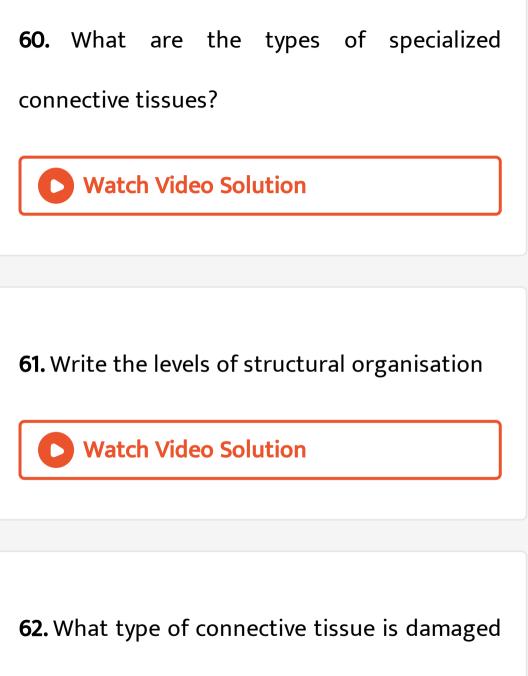
58. What are the three types of dense

connective tissues?

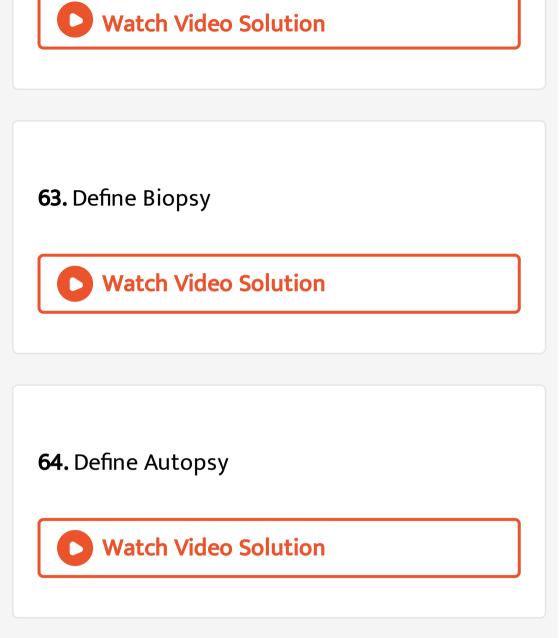


59. What are dense connective tissues?





when you cut your index finger?.



65. Write the importance of Forensic science



66. What are the important connective tissue

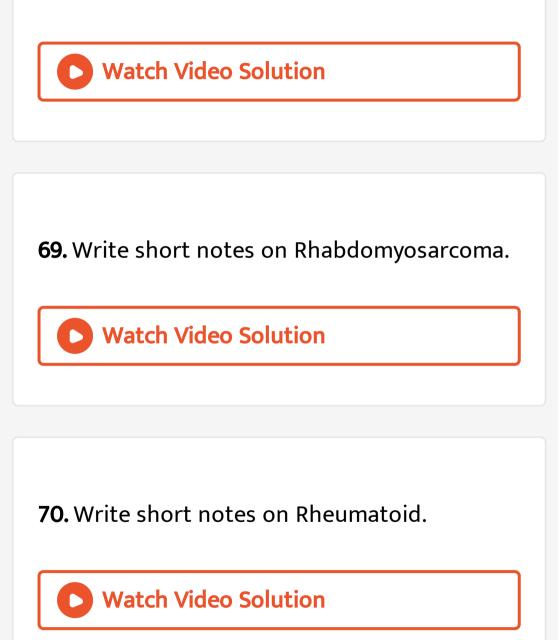
disorders.

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67. What are the disorders of autoimune

connective tissue?

68. Write short notes on stickler syndrome



71. Write short notes on sjogre's syndrome



72. You are looking at a slide of a tissue through the compound microscope and you see striped branching cells that connect with one another. What type of muscle are you viewing.



73. Write short notes on palmaris muscle

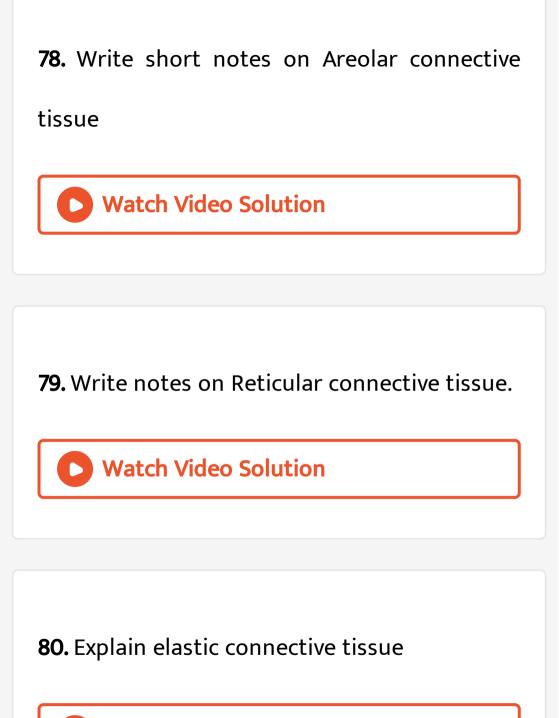
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74. Write short notes on ciliated type epithelium
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75. Write short notes on non-ciliated type epithelium

76. Write short notes on Pseudostratified epithelum



77. Draw the flow chart of classification of

Glandular epithelium

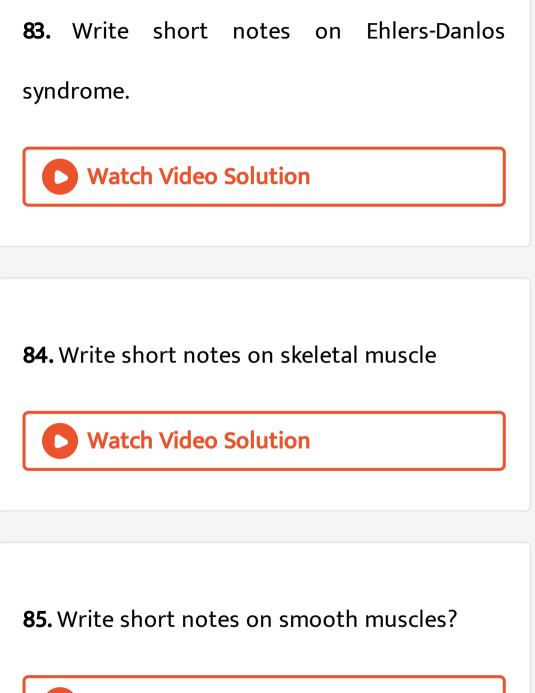


81. Write short notes on cartilage.

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82. The stored lipids are in the form of adipose

tissue. Are they coloured? why?



86. Write short notes on cardiac muscles

tissue

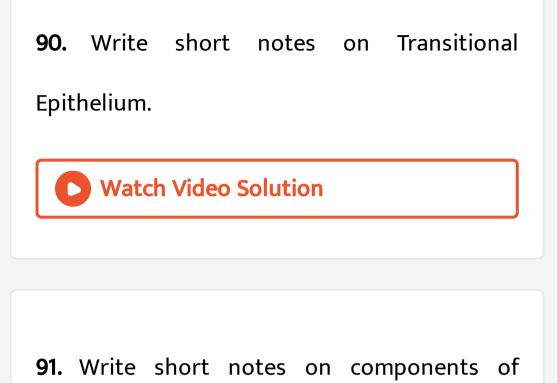


87. Write short notes on Parkinbson's disease.



88. Write short notes on Alzheimer's disease.

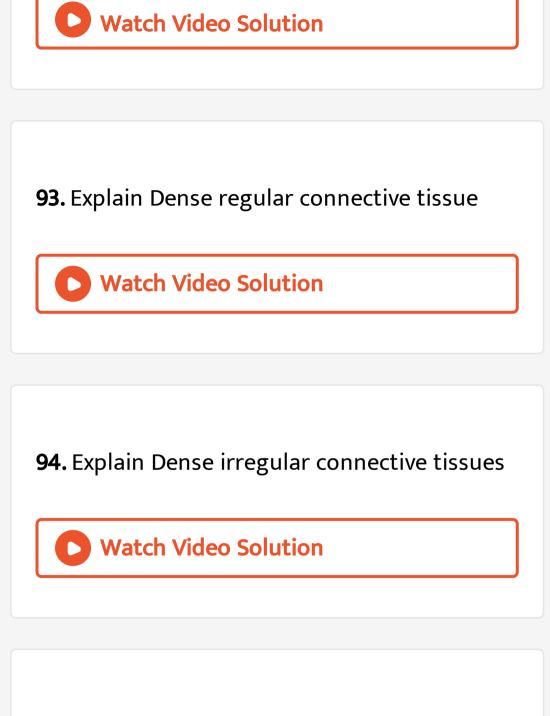
89. A player has sustained a severe injury during football practice and was told that he has a torn knee cartilage. Can he expect a quick uneventful recovery? Explain you response.



connective tissues.



92. Explain the Adipose tissue



95. Describes the bones

