

Science

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(Chapter – 6) (Tissues) (Exercises)
(Class – IX)

Question 1:

Define the term 'tissue'?

Answer 1:

The group of cells similar in structure that work together to achieve a particular function forms a tissue. This group of cells has a common origin.

Question 2:

How many types of elements together make up the xylem tissue? Name them.

Answer 2:

Xylem is a complex tissue. It is made up of following four kinds of cells or elements:

- Tracheids
- Vessels
- Xylem parenchyma
- Xylem fibres.

Question 3:

How are simple tissues different from complex tissues in plants?

Answer 3:

Simple tissues are made up of one type of cells which coordinate to perform a common function.

Complex tissues are made up of more than one type of cells. All these coordinate to perform a common function.

Question 4:

Differentiate between parenchyma, collenchyma and sclerenchyma on the basis of their cell wall.

Answer 4:

The differences between cell walls of parenchyma, collenchyma and sclerenchyma are given in the following table:

Parenchyma	Collenchyma	Sclerenchyma
1. Cell wall is primary 2. Cells have thin walls and made up of cellulose.	1. Cell wall is primary. 2. Cell walls are thickened at the corners due to protein deposition.	1. Cell wall is secondary. 2. Cell wall is very thick due to lignin deposition.

Question 5:

What are the functions of *Stomata*?

Answer 5:

The small pores present in the epidermis of the leaf are stomata. Stomata are enclosed by two kidney shaped cells called guard cells.

Functions of Stomata

- Exchange of gases, particularly CO_2 and O_2 , with atmosphere.
- Loss of water in the form of vapour during transpiration.

Question 6:

Diagrammatically show the difference between the three types of muscle fibres.

Answer 6:



Answers For Biology Science Unit Lesson 02

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ICT Framework Solutions Year 7 Stephen Doyle, 2004 This suite of straightforward easy to manage suite of resources comprises a Student Book and Teacher Support Pack and CD ROM for each of years 7 8 and 9 **Jacaranda Nature of Biology 2 VCE Units 3 and 4, LearnON and Print** Judith Kinnear, Marjory Martin, Lucy Cassar, Elise Meehan, Ritu Tyagi, 2021-10-29 Jacaranda Nature of Biology Victoria's most trusted VCE Biology online and print resource The Jacaranda Nature of Biology series has been rewritten for the VCE Biology Study Design 2022 2026 and offers a complete and balanced learning experience that prepares students for success in their assessments by building deep understanding in both Key Knowledge and Key Science Skills Prepare students for all forms of assessment Preparing students for both the SACs and exam with access to 1000s of past VCAA exam questions now in print and learnON new teacher only and practice SACs for every Area of Study and much more Videos by experienced teachers Students can hear another voice and perspective with 100s of new videos where expert VCE Biology teachers unpack concepts VCAA exam questions and sample problems For students of all ability levels All students can understand deeply and succeed in VCE with content mapped to Key Knowledge and Key Science Skills careful scaffolding and contemporary case studies that provide a real word context eLogbook and eWorkbook Free resources to support learning eWorkbook and the increased requirement for practical investigations eLogbook which includes over 80 practical investigations with teacher advice and risk assessments For teachers learnON includes additional teacher resources such as quarantined questions and answers curriculum grids and work programs

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Harcourt Science: Teacher's ed., life science units A and B, 2005

Cambridge Global English Stage 6 Teacher's Resource Jane Boylan, Claire Medwell, 2014-05-22 Cambridge Global English is a nine stage language rich course for learners of English as a Second Language following the Cambridge International Examinations curriculum framework Teacher's Resource 6 provides step by step guidance notes for teachers for each lesson in every unit to support teaching the content of Learner's Book 6 Notes on Activity Book 6 are also included A unit overview provides a snapshot of lesson objectives and the language and skills covered The notes include answer keys to activities in the Learner's Book and Activity Book complete audio scripts suggestions for differentiation and assessment cross curricular links portfolio opportunities and additional unit linked photocopiable activities and unit based wordlists

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The Macmillan Guide to Correspondence Study Modoc Press, 1996

A catalogue of modern works on science and technology. 2nd, 4th, 5th, 7th, 8th, 10th-14th, 16th-19th, 22nd-25th, 35th, 39th, ed sir George Christopher T. Bartley, 1885

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