



## 7A Examining Onion Tissue

### What is onion tissue made of?

Do you think peeling an onion will make you cry? Well, here's your chance to test your hypothesis. In this investigation, you will peel a thin layer from a piece of onion. You will stain that layer of tissue on a microscope slide. Then you will examine your slide under a microscope and make sketches of what you see.

#### Materials

- Microscope
- Slides
- Coverslips
- Tweezers
- Piece of onion
- Iodine stain

**Safety tip:** Wear gloves, goggles, and an apron while preparing the slides.

**WARNING** — This lab contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

### 1 Preparing a slide of onion tissue

Onions have many layers. The inner surface of each layer has a thin layer of tissue that's easy to peel off. Since it is almost transparent, you will need to apply a stain so you can see things under a microscope. Follow the procedures below to make a slide of onion tissue.

1. Place a drop of iodine stain onto a slide.
2. Using the tweezers, gently peel the thin layer of tissue off the inside of a small piece of onion.
3. Using the tweezers, gently lower the onion skin onto the slide. Be careful not to crease the skin.
4. Use the tweezers to place a cover slip over the onion skin.



### 2 Stop and think

- a. What is the purpose of the iodine stain?

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# 7a Examining Onion Tissue Lab Answers

**Murray P. Pendarvis, John L. Crawley**



## 7a Examining Onion Tissue Lab Answers:

**Exploring Biology in the Laboratory: Core Concepts** Murray P. Pendarvis, John L. Crawley, 2019-02-01 Exploring Biology in the Laboratory Core Concepts is a comprehensive manual appropriate for introductory biology lab courses This edition is designed for courses populated by nonmajors or for majors courses where abbreviated coverage is desired Based on the two semester version of Exploring Biology in the Laboratory 3e this Core Concepts edition features a streamlined set of clearly written activities with abbreviated coverage of the biodiversity of life These exercises emphasize the unity of all living things and the evolutionary forces that have resulted in and continue to act on the diversity that we see around us today

**Morbidity and Mortality Weekly Report**, 1960 *Morbidity and Mortality*, 1960-10 *BSCS Science Technology : Investigating Life Systems, Teacher Edition*, 2005 *Biology*, 1996 *Prentice Hall Biology* Sandra Gottfried, Gerry M. Madrazo, Jr., 1990 Laboratory and Clinical Studies New York (N.Y.). Memorial Hospital for the Treatment of Cancer and Allied Diseases, 1928 Annotated Instructor's Edition for Investigating Biology Judith Giles Morgan, 1999 *Laboratory Investigations in Cell Biology* Allyn A. Bregman, 1987 Contained in this text are 18 laboratory projects that explore the structural biochemical and physiological nature of eukaryotic cells Topics are largely traditional however several investigations employ new methodologies Extended coverage of biochemistry is offered and materials have been selected for availability and ease of handling eg extraction of DNA and RNA done with calf liver succinate dehydrogenase activity studied in mitochondria isolate from cauliflower

**Laboratory Investigations in Cell and Molecular Biology** Allyn Bregman, 1996-02-02 This revised workbook lab text consists of 21 projects that can be executed with readily available materials a minimum of elaborate equipment and a reasonable amount of preparation time Early projects deal with biochemistry and cytochemistry the middle ones focus on organelles and their physiology and later activities explore more advanced molecular topics such as restriction mapping strategies New to this edition a concise section on statistics covering the mean standard deviation and standard error and a chapter designed to enable students to write up their work as a lab report

**Journal of Biological Education**, 1981 Laboratory & Field Work in General Botany Edgar Nelson Transeau, Homer Cleveland Sampson, 1924 **Laboratory Investigations in Cell and Molecular Biology** Allyn A. Bregman, 2002 This revised workbook lab text consists of 21 projects that can be executed with readily available materials a minimum of elaborate equipment and a reasonable amount of preparation time Early projects deal with biochemistry and cytochemistry the middle ones focus on organelles and their physiology and later activities explore more advanced molecular topics such as restriction mapping strategies New to this edition a concise section on statistics covering the mean standard deviation and standard error and a chapter designed to enable students to write up their work as a lab report

*Laboratory Problems in Civic Biology* George William Hunter, 1916 **Biological Science ; an Inquiry Into Life** Biological Sciences Curriculum Study, 1963 Biology Laboratory Manual Darrell S. Vodopich, Randy Moore, 1998-12 This

laboratory manual is designed for an introductory majors biology course with a broad survey of basic laboratory techniques. The experiments and procedures are simple, safe, easy to perform, and especially appropriate for large classes. Few experiments require a second class meeting to complete the procedure. Each exercise includes many photographs, traditional topics, and experiments that help students learn about life. Procedures within each exercise are numerous and discrete so that an exercise can be tailored to the needs of the students, the style of the instructor, and the facilities available.

Cumulated Index Medicus, 1967     **Merck's Report** Theodore Weicker, 1914     **Archives of Pathology & Laboratory Medicine**, 2008     Exploring Biology in the Laboratory Alyce M. Fiedler, Laurence I. Fulton, 1974

## The Enigmatic Realm of **7a Examining Onion Tissue Lab Answers**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **7a Examining Onion Tissue Lab Answers** a literary masterpiece penned by way of a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those who partake in its reading experience.

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