

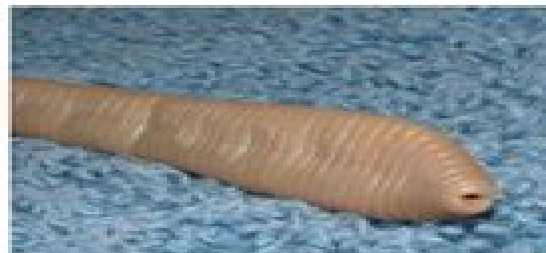
EARTHWORM DISSECTION

External Anatomy

1. Examine your earthworm and determine the dorsal and ventral sides. Locate the two openings on the ventral surface of the earthworm. The openings toward the anterior of the worm are the **sperm ducts**. The openings near the clitellum are the **genital setae**.
2. Locate the dark line that runs down the dorsal side of the worm, this is the **dorsal blood vessel**. The **ventral blood vessel** can be seen on the underside of the worm, though it is usually not as dark.
3. Locate the worm's **mouth** and **anus**.
4. Note the swelling of the earthworm near its anterior side - this is the **clitellum**.



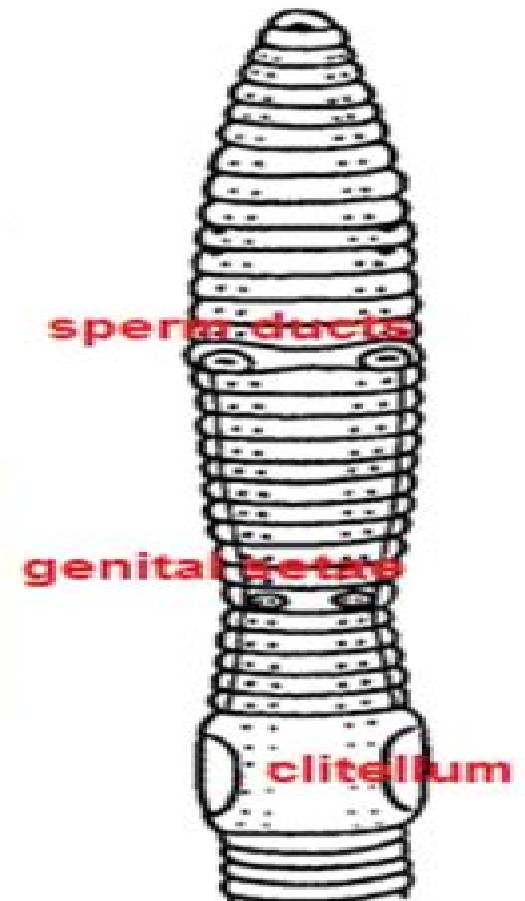
MOUTH



ANUS

Internal Anatomy

1. Place the specimen in the dissecting pan **DORSAL** side up.
2. Locate the clitellum and insert the tip of the scissors about 3 cm posterior.
3. Cut carefully all the way up to the head. Try to keep the scissors pointed up, and only cut through the skin.
4. Spread the skin of the worm out, use a teasing needle to gently tear the septa (little thread like structures that hold the skin to organs below it)
5. Place pins in the skin to hold it apart, angle the pins out so that they are not in your way.



Earthworm Dissection Study Guide Answers

Stanley L. Weinberg



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Designing Your Own Classical Curriculum Laura M. Berquist, 2010-09-20 Home educator Laura Berquist presents a modern curriculum based on the time tested philosophy of the classical Trivium grammar logic and rhetoric She has given homeschoolers a valuable tool for putting together a liberal arts curriculum that feeds the soul as well as the intellect Her approach covering grades K 12 is detailed and practical and it is adaptable by parents and teachers to any situation This third revised edition includes a much expanded section for a high school curriculum and an updated list of resources for all grades

Biology, 1998 *Biology* Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 **Teacher's Guide for Biology: Laboratory Manual** Stanley L. Weinberg, 1977 *Teacher's Guide to the Modern Biology Program* James Howard Otto, Albert Towle, Elizabeth H. Crider, 1965 A Guide to Modern Biology Ella Thea Smith, 1941 **Mammals Biology 2004** Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004 *Biology* Christian Liberty Press, Robert Glotzhaber, 2005-05-11 Teacher's Guide to accompany Biology A Search for Order in Complexity This teacher's guide will equip instructors to lead their students through the various experiments that are featured in the student laboratory manual

Introduction to Biology National Agricultural Institute, 2014-08-27 Introduction to Biology is one in a series of Just The Facts JTF textbooks created by the National Agricultural Institute for secondary and postsecondary programs in biology agriculture food and natural resources AFNR This is a bold new approach to textbooks The textbook presents the essential knowledge of introductory biology in outline format This essential knowledge is supported by a main concept learning objectives and key terms at the beginning of each section references and a short assessment at the end of each section Content of the book is further enhanced for student learning by connecting with complementary PowerPoint presentations and websites through QR codes scanned by smart phones or tablets or URLs The textbook is available in print and electronic formats To purchase electronic copies inquire at info@nationalag.institute.org *The National Union Catalog* Library of Congress, 1958 Constitutes the quinquennial cumulation of the National union catalog Motion pictures and filmstrips

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Congress Catalog: Motion Pictures and Filmstrips Library of Congress,1968

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Table of Contents Earthworm Dissection Study Guide Answers

1. Understanding the eBook Earthworm Dissection Study Guide Answers
 - The Rise of Digital Reading Earthworm Dissection Study Guide Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Earthworm Dissection Study Guide Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Earthworm Dissection Study Guide Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Earthworm Dissection Study Guide Answers
 - Personalized Recommendations

- Earthworm Dissection Study Guide Answers User Reviews and Ratings
- Earthworm Dissection Study Guide Answers and Bestseller Lists
- 5. Accessing Earthworm Dissection Study Guide Answers Free and Paid eBooks
 - Earthworm Dissection Study Guide Answers Public Domain eBooks
 - Earthworm Dissection Study Guide Answers eBook Subscription Services
 - Earthworm Dissection Study Guide Answers Budget-Friendly Options
- 6. Navigating Earthworm Dissection Study Guide Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Earthworm Dissection Study Guide Answers Compatibility with Devices
 - Earthworm Dissection Study Guide Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Earthworm Dissection Study Guide Answers
 - Highlighting and Note-Taking Earthworm Dissection Study Guide Answers
 - Interactive Elements Earthworm Dissection Study Guide Answers
- 8. Staying Engaged with Earthworm Dissection Study Guide Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Earthworm Dissection Study Guide Answers
- 9. Balancing eBooks and Physical Books Earthworm Dissection Study Guide Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Earthworm Dissection Study Guide Answers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Earthworm Dissection Study Guide Answers
 - Setting Reading Goals Earthworm Dissection Study Guide Answers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Earthworm Dissection Study Guide Answers
 - Fact-Checking eBook Content of Earthworm Dissection Study Guide Answers

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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