

LIFE SCIENCES Grade 12

Practical Task Term 2: Genetics and Heredity

Date: _____

Name: _____

Duration: 1 hour



Total	
	30

SECTION A

QUESTION 1

**INSTRUCTIONS TO LEARNERS – THIS IS AN INDIVIDUAL TASK.
THE TASK MUST BE DONE IN CLASS UNDER
CONTROLLED CONDITIONS.**

Background

Every family has observable characteristics, or traits, that are passed on from parents to their children. We can categorize these traits in two different ways: as genotype and phenotype. A person's **genotype** is the set of genes that he/she carries (what their DNA 'says'). The **phenotype** is the observable characteristics (what we can see). Different versions of the same gene are called **alleles**. To keep things simple, we give the genotype a two-letter code. You will be given codes to use in this exercise.

Each letter of the two-letter code is an allele. Remember that you get two copies of each gene: one from mom and one from dad.

You have two 'aliens' – a female and a male.



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Grade Practical Life Science

Tao Wei



Grade Practical Life Science:

The Top Books of the Year Grade Practical Life Science The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of popular books, exploring the engaging narratives that have charmed audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Grade Practical Life Science : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These top-selling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

<https://staging.conocer.cide.edu/data/Resources/HomePages/elementary%20interm%20algebra%20ssm%204th.pdf>

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Location of genome. Plasmids. Ribosomes. Page 3. AP Biology Reading Guide. Chapter 27: Bacteria and Archaea. Fred and Theresa Holtzclaw. Ap Biology Chapter 27 Reading Guide Answers - Fill Online ... Fill Ap Biology Chapter 27 Reading Guide Answers, Edit online. Sign, fax and printable from PC, iPad, tablet or mobile with pdfFiller [Instantly](#). Try Now! Chapter 27 Reading Guide Flashcards Study with Quizlet and memorize flashcards containing terms like Which two domains include prokaryote?, Are prokaryotes multicellular or unicellular?, ... AP Bio chapter 27 reading Guide Flashcards Study with Quizlet and memorize flashcards containing terms like What are the masters of adaptation ? What is one example?, Which two domains include ... AP Biology Reading Guide Chapter 51: Animal Behavior ... 27. This concept looks at some very interesting ways that genetic changes affect behavior. Several important case studies that show a genetic component to ... Campbell 8th Edition Reading Gui Campbell 8th edition Reading Guides Fred and Theresa Holtzclaw Campbell Biology 8th Edition Chapter ... Chapter 27 Prokaryotes · Chapter 45 Endocrine System. AP Biology Summer Assignment: 2016-2017 Begin your study of biology this year by reading Chapter 1. It will serve as ... AP Biology Reading Guide. Fred and Theresa Holtzclaw. Chapter 3: Water and the ... Campbell Biology Chapter 27 (powell_h) Flashcards Study Campbell Biology Chapter 27 (powell_h) flashcards taken from chapter 27 of the book Campbell Biology. Biology in Focus - Chapter 27 | PPT Apr 21, 2016 — Biology in Focus - Chapter 27 - Download as a PDF or view online for free. Management by Stephen P. Robbins, Mary Coulter 11th ... Management by Stephen P. Robbins, Mary Coulter 11th edition (2010) Hardcover ; Arrives after Christmas. Need a gift sooner? Send an Amazon Gift Card instantly by ... Management Eleventh Edition (Eleventh Edition) - Books Robbins and Coulter's best-selling text demonstrates the real-world applications of management concepts and makes management come alive by bringing real ... Management - Stephen P. Robbins, Mary K. Coulter Bibliographic information ; Edition, 11, illustrated ; Publisher, Pearson, 2012 ; ISBN, 0273752774, 9780273752776 ; Length, 671 pages. Management - Global 11th Edition by Stephen P. Robbins Stephen P. Robbins; Mary Coulter ; Title: Management - Global 11th Edition ; Publisher: Pearson Education Limited ; Publication Date: 2012 ; Binding: Soft cover. Robbins, Fundamentals of Management, Global Edition, 11/e Sep 17, 2019 — The 11th Edition maintains a focus on learning and applying management theories, while now also highlighting opportunities to develop the skills ... Management | WorldCat.org Management ; Authors: Stephen P. Robbins, Mary K. Coulter ; Edition: 11th ed View all formats and editions ; Publisher: Prentice Hall, Boston, ©2012. Management - Stephen P. Robbins And Mary Coulter Management - Global 11th Edition. Stephen P. Robbins; Mary Coulter. Published by Pearson Education Limited (2012). ISBN 10: 0273752774 ISBN 13: 9780273752776. Management by Stephen P. Robbins; Mary Coulter ... Description: 11th Edition, 2011-02-06. Eleventh Edition. Hardcover. Very Good. 10x8x1. Pages are clean. Book Leaves in 1 Business Day or Less! Leaves Same Day ... Fundamentals of Management Fundamentals of Management, 11th edition. Published by Pearson (September 14, 2020) © 2020. Mary A. Coulter; David A. DeCenzo Coastal Carolina University. Fundamentals of Management 11th edition 9780135641033 Fundamentals of Management 11th Edition

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