



Date: SEPTEMBER 2024

Time: 2 ½ HOURS

Mark: 150

**INSTRUCTIONS AND INFORMATION**

Read the following instruction carefully before answering the questions.

1. Answer ALL questions.
2. Write ALL the answers on the provided FOLIO PAPER.
3. **STOP OFF** after each question.
4. Start each section on a **NEW** page.
5. Number the answers correctly according to the numbering system used in this question paper.
6. Present your answers according to the instructions for each question.
7. Do ALL drawings in pencil and label them in blue pen.
8. Draw diagrams or flow charts only when asked to do so.
9. The diagrams in this question paper are **NOT** all drawn to scale.
10. You may use a non-programmable calculator, protractor, and compass.
11. You may **NOT** use graph paper.
12. Write neatly and legibly.

**EXAM AGREEMENT**

I, \_\_\_\_\_ (Name &amp; Surname), Grade \_\_\_\_\_

hereby acknowledge that I will abide by all examination rules stipulated below during the writing of my **LIFE SCIENCE** exam.**RULES:**

1. I will not have any electronic equipment in my possession (cell phones, smart watches and earphones).
2. I will not cause any disruption during this exam in the exam venue.
3. I will be honest at all times.

All rules, as discussed with me, will be honoured and obeyed.

\_\_\_\_\_  
Learner Signature**SECTION A****Question 1**

1.1 Various options are provided as possible answers to the following questions. Choose the correct answer and write only the letter (A to D) next to the question number ( 1.1.1 to 1.1.10) on the FOLIO PAPER, for example 1.1.6 E.

1.1.1 Hollow, pear-shaped organ.

- A. Vagina
- B. Uterus
- C. Fallopian tubes
- D. Placenta

1.1.2 Choose the letter that does not explain the process of oogenesis.

- A. The diploid germinal epithelium cells of the ovaries go through the process of mitosis to form many follicles.
- B. Every 21 days, the follicle stimulating hormone (FSH) stimulates one follicle. Only one cell inside of that follicle enlarges and goes through the process of meiosis.
- C. Out of the 4 haploid cells produced through meiosis, only one cell will survive to form a mature ovum.
- D. The other three cells from meiosis will degenerate.

1.1.3 Before copulation the male sperm is stored temporarily in the...

- A. seminal vesicles
- B. scrotum
- C. prostate gland
- D. epididymis

1.1.4 Structure that receives a stimulus and converts it into an impulse

- A. autonomic nervous system
- B. effector
- C. stimulus
- D. receptor

# Gauteng Grade12 2014 September Lifescience Pmemo

**K Morrison**



**Gauteng Grade12 2014 September Lifescience Pmemo:**

Gauteng Grade12 2014 September Lifescience Pmemo: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have enthralled audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids absorbing 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 mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts 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 compelling 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 brilliant and gripping novel that will keep you speculating until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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**Table of Contents Gauteng Grade12 2014 September Lifescience Pmemo**

1. Understanding the eBook Gauteng Grade12 2014 September Lifescience Pmemo
  - The Rise of Digital Reading Gauteng Grade12 2014 September Lifescience Pmemo
  - Advantages of eBooks Over Traditional Books
2. Identifying Gauteng Grade12 2014 September Lifescience Pmemo
  - 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 Gauteng Grade12 2014 September Lifescience Pmemo
  - User-Friendly Interface
4. Exploring eBook Recommendations from Gauteng Grade12 2014 September Lifescience Pmemo
  - Personalized Recommendations
  - Gauteng Grade12 2014 September Lifescience Pmemo User Reviews and Ratings
  - Gauteng Grade12 2014 September Lifescience Pmemo and Bestseller Lists
5. Accessing Gauteng Grade12 2014 September Lifescience Pmemo Free and Paid eBooks
  - Gauteng Grade12 2014 September Lifescience Pmemo Public Domain eBooks
  - Gauteng Grade12 2014 September Lifescience Pmemo eBook Subscription Services
  - Gauteng Grade12 2014 September Lifescience Pmemo Budget-Friendly Options
6. Navigating Gauteng Grade12 2014 September Lifescience Pmemo eBook Formats
  - ePub, PDF, MOBI, and More
  - Gauteng Grade12 2014 September Lifescience Pmemo Compatibility with Devices
  - Gauteng Grade12 2014 September Lifescience Pmemo Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Gauteng Grade12 2014 September Lifescience Pmemo
  - Highlighting and Note-Taking Gauteng Grade12 2014 September Lifescience Pmemo
  - Interactive Elements Gauteng Grade12 2014 September Lifescience Pmemo
8. Staying Engaged with Gauteng Grade12 2014 September Lifescience Pmemo

- Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Gauteng Grade12 2014 September Lifescience Pmemo
9. Balancing eBooks and Physical Books Gauteng Grade12 2014 September Lifescience Pmemo
- Benefits of a Digital Library
  - Creating a Diverse Reading Collection Gauteng Grade12 2014 September Lifescience Pmemo
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Gauteng Grade12 2014 September Lifescience Pmemo
- Setting Reading Goals Gauteng Grade12 2014 September Lifescience Pmemo
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Gauteng Grade12 2014 September Lifescience Pmemo
- Fact-Checking eBook Content of Gauteng Grade12 2014 September Lifescience Pmemo
  - 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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