



GR 11 Life Sciences Paper 2 scope

- 1 November 2024-

The following framework outlines the detailed assessment of topics covered in the examination. Teachers are advised to review it with learners to ensure full understanding and effective preparation.

Biological terms: Ecosystems, ecology, environment, ecological niche, Interspecific competition, Intraspecific competition, Competitive exclusion, population density, population size, mortality, natality, chordate, cephalization, immigration, emigration, predator, prey, parasitism, resource partitioning, competition, parasitism, mutualism, commensalism, census, eukaryotic, procaryotic, alien plant species, monocultures, poaching, culling, eutrophication, , thallus, , indigenous plants, global warming, carbon footprint, food security , biodiversity , ozone, rhizoids, rhizome , pistil, invertebrates, specie, population, vaccination, antibiotics, pathogen, sexual reproduction	
Micro -organisms Structure and characteristics of: - Viruses - Bacterium - Fungi - Protista	Biodiversity in plants - Identify the different plant groups - The presents or absence of the key features of the four groups of plants: - Vascular tissues - True leaves - Seed or spore - Fruit - Water for reproduction # Distinguish between the gametophyte generation and sporophyte generation in Bryophytes and Pteridophytes
Conditions in which bread mould grow	
Explain what a heterotrophic organism is	Structure of a flower
The role that Fungi plays in the environment	Adaptions for wind pollinations
Malaria - What cause malaria	Advantages of sexual reproduction
- Symptoms of malaria	
- How can you prevent malaria	
Biodiversity in Animals	Population Ecology
Key features of the six Phyla: - Symmetry - Number and names of tissues layers - Number of openings in gut - Coelom - Cephalisation - Blood systems	- Factors that influence population size - Logistic and geometric growth curves and their phases - Predator-prey relation # Be able to determine which graph indicate the prey/predator and why - Determine the size of a population: Quadrant method and mark/capture

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IM Harris



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Table of Contents Mindset 2014 Life Science Scope Paper 1

1. Understanding the eBook Mindset 2014 Life Science Scope Paper 1
 - The Rise of Digital Reading Mindset 2014 Life Science Scope Paper 1
 - Advantages of eBooks Over Traditional Books
2. Identifying Mindset 2014 Life Science Scope Paper 1
 - 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 eBook Platform
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mindset 2014 Life Science Scope Paper 1
 - Personalized Recommendations
 - Mindset 2014 Life Science Scope Paper 1 User Reviews and Ratings

- Mindset 2014 Life Science Scope Paper 1 and Bestseller Lists
- 5. Accessing Mindset 2014 Life Science Scope Paper 1 Free and Paid eBooks
 - Mindset 2014 Life Science Scope Paper 1 Public Domain eBooks
 - Mindset 2014 Life Science Scope Paper 1 eBook Subscription Services
 - Mindset 2014 Life Science Scope Paper 1 Budget-Friendly Options
- 6. Navigating Mindset 2014 Life Science Scope Paper 1 eBook Formats
 - ePub, PDF, MOBI, and More
 - Mindset 2014 Life Science Scope Paper 1 Compatibility with Devices
 - Mindset 2014 Life Science Scope Paper 1 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Mindset 2014 Life Science Scope Paper 1
 - Highlighting and Note-Taking Mindset 2014 Life Science Scope Paper 1
 - Interactive Elements Mindset 2014 Life Science Scope Paper 1
- 8. Staying Engaged with Mindset 2014 Life Science Scope Paper 1
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mindset 2014 Life Science Scope Paper 1
- 9. Balancing eBooks and Physical Books Mindset 2014 Life Science Scope Paper 1
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mindset 2014 Life Science Scope Paper 1
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Mindset 2014 Life Science Scope Paper 1
 - Setting Reading Goals Mindset 2014 Life Science Scope Paper 1
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Mindset 2014 Life Science Scope Paper 1
 - Fact-Checking eBook Content of Mindset 2014 Life Science Scope Paper 1
 - 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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