## GR 10 Paper 1 Life Sciences scope November 2023 (10 November 2023)

Biological terms: Interphase, Anaphase, Metaphase, Telophase, Col	llenchyma, phloem, Scierenchyma,
Parenchyma, cuticula, Transpirations, stomata, neuron, organic compound, connective tissue, chromatin, chromosome, foramen magnum, axial skeleton, cranium	
Chemistry of life	Cells
Difference between organic and inorganic	Difference between animal cell and plant
compounds	cell
Examples of organic and inorganic compounds	All the cell organelles and functions/rolls
Monomers of all organic compound	Describe the build of the nucleus, mitochondria, and chloroplast
Elements of all the organic compounds	Investigation: Osmose and diffusion (Look at the apparatus that we use and how to set up this Investigation)
Vitamins A, B, C, D, and E, and there deficiency diseases they can cause	Explain osmose and diffusion
Enzymes	
- Lock and key model	
- Function of enzymes	
Influence of temperature and pH on enzyme action	
Mitosis	Plant tissue
All the phases can identify and give reasons for your answers	Build and function of: Collenchyma, Sclerenchyma, Parenchyma, Phloem, Xylem and stomata
Product of Mitosis	Definition of tissue
Difference between telophase in plant cells and animal cells	
Biological importance of Mitosis	
Cancer: - Uncontrolled cell division and growth: Causes and treatment of cancer	
	Function and build of: Stomata, Xylem, and root hair
	Adaptions of Xylem for movement of water upwards
Animal tissue	Plant organs
Name and identify all the animal tissues and where in the human body are they located.	The labels and functions of the dorsiventral leaf.
	Adaptions of the different parts of the leaf
Functions of all the animal tissues	Definition of an organ
Name all the connective tissues	
Support and transport in plants	Support in animals
Labels of dicotyledonous stem and root	All the labels of the skeleton
Difference between a dicotyledons root and stem	Where do we find long bones in the skeletor
	Function of the skeleton
Investigation: The rate of transpirations (Potometer)	
The effect of environmental factors on transpiration (Wind, Temperature and Light.)	

# **Scope For Paper Life Science Grade 1**

**JL Elias** 

**Scope For Paper Life Science Grade 1:** 

The book delves into Scope For Paper Life Science Grade 1. Scope For Paper Life Science Grade 1 is a vital topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Scope For Paper Life Science Grade 1, encompassing both the fundamentals and more intricate discussions.

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  - Chapter 1: Introduction to Scope For Paper Life Science Grade 1
  - o Chapter 2: Essential Elements of Scope For Paper Life Science Grade 1
  - Chapter 3: Scope For Paper Life Science Grade 1 in Everyday Life
  - Chapter 4: Scope For Paper Life Science Grade 1 in Specific Contexts
  - ∘ Chapter 5: Conclusion
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