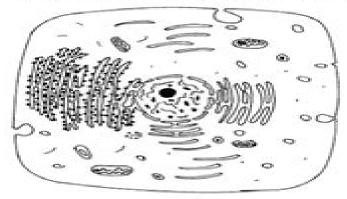
3.4 BIOLOGY (231)

3.4.1 Biology Paper 1 (231/1)

- 1 (a) What is meant by the term wilting? (1 mark)
 - (b) Explain how an increase in temperature affects the rate of active transport. (2 marks)
- 2 The diagram below represents a cell as seen under an electron microscope.



- (a) Based on the diagram, state whether it represents an animal cell or a plant cell.
- (b) Give two reasons for your answer in 2(a) above. (2 marks)
- (c) Why is the palisade layer a tissue? (1 mark)
- (a) State two external features found in the class Mammalia only. (2 marks)
 - (b) Name the taxonomic unit that comes immediately after a phylum in classification.
- (1 mark)
- 4 (a) State two roles of mucus in the stomach. (2 marks)
- (b) Explain how age determines a person's energy requirements. (2 marks)
- 5 Describe how turgor pressure builds up. (3 marks)
- 6 Using a microscope, a student counted 55 cells a cross a field of view whose diameter was 6000μm. Calculate the average length of the cells. Show your working. (2 marks)
- 7 Explain how the following forces contribute to the movement of water up the xylem vessels: (2 marks)
 - (a) cohesion;
 - (b) adhesion.

Kcse 2013 Biology Paper 1

RD Boyd



Kcse 2013 Biology Paper 1 Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has be much more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "Kcse 2013 Biology Paper 1," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve into the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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