

KCSE BIOLOGY

BIOLOGY ESSAY QUESTIONS WITH MARK SCHEMES

- 1. Explain the various ways in which a typical cell is adapted to its functions**
- 2. Explain how the various specialized cells are modified to carry out their functions in plants and animals**
- 3. Describe how the mammalian body protects itself against infections**
- 4. How are the leaves of higher plants adapted to their functions?**
- 5. Explain how the various teeth adapt mammals for nutrition**
- 6. Describe what happens to a meal of oily beans and maize from the time of ingestion up to the time of absorption**
- 7. How are the small intestines in mammals adapted to their functions?**
- 8. Outline and explain the various homeostatic functions of the liver in mammals**
- 9. Explain why the following conditions are necessary for photosynthesis**
 - a) Carbon (IV) Oxide**
 - b) Light**
 - c) Chlorophyll**
 - d) Suitable temperature and pH**
 - e) Water**
- 10. How is the ileum adapted to its functions?**
- 11. a) What is homeostasis?**
 - b) Name any three factors that must be maintained constant in mammalian bodies**
 - c) Explain how endotherms respond to heat and cold conditions in their environment**
- 12. Describe the route taken by water from the soil up to the evaporating surface of a plant**
- 13. How is the mammalian heart adapted to its functions?**

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The Human Biology Revision Book John Harrison,2002 **Biological Science** V. M. Stewart,198? Biology and General Science National Learning Corporation. Teachers Division,1968 **Biology Workbook** ,1992 **Biology : Questions & Answers** Coles Publishing Company. Editorial Board,1980 **Biology** Jonathan Clark,2014-09-12 This book aims to introduce the reader to Biology at an advanced level and to be used in addition to the text book I am sure you already own I think that conventional textbooks embed the principles too deeply in the text and that these principles are the key to understanding Biology and to success in exams which is what all students want This book explains Biology in the form of a series of questions and answers such as What is the function of DNA answer It contains genes that code for the production of proteins and is the molecule of inheritance The book also contains exam questions and answers with hints and tips from me as to how to interpret and answer the questions Each chapter begins with a glossary so you understand the terms and words BEFORE you read the chapter My hope is that you will find the book really useful and it will improve and deepen your understanding of Biology

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