

HIGH SCHOOL

SUBJECT: LIFE SCIENCE
CONTROLLED TEST
GRADE: 10
EXAMINER:

DATE:
TIME: 60 min
TOTAL: 60 Marks
MODERATOR:

INSTRUCTIONS AND INFORMATION

Read the following information carefully before answering the questions.

1. Answer ALL the questions.
2. Write ALL the answers on the folio pages.
3. Number the answers according to the numbering system used in this question paper.
4. If answers are NOT presented according to the instructions of each question, candidates will lose marks.
5. Draw diagrams or flow charts ONLY when requested to do so.
6. The diagrams in this question paper may NOT necessarily be drawn to scale.
7. The use of graph paper is NOT permitted.
8. Non-programmable calculators, protractors and compasses MAY be used.
9. Write neatly and legibly.

SECTION A QUESTION 1

- 1.1 Various options are given as possible answers to the following questions. Choose the correct answer and write the LETTER (A – D) next to the question number (1.1.1 to 1.1.4) on your folio page. Example: 1.1.5 A
- 1.1.1 Chamber of the heart that pumps deoxygenated blood to the lungs via the pulmonary artery... (2)
A) Right atrium
B) Left atrium
C) Left ventricle
D) Right ventricle
- 1.1.2 Which ONE of the following is a biotic factor in an ecosystem? (2)
A) Physiographic
B) Autotrophic
C) Edaphic
D) Atmospheric
- 1.1.3 Refer to the features listed below:
(i) Large surface area
(ii) In close contact with tissue cells
(iii) Thin walled

Life Science Grade 10 Term 3 Practical

Michael Brown



Life Science Grade 10 Term 3 Practical:

Exploring Science June Mitchelmore,1999-04 Useful for the first three years of Secondary school this is a three book series It provides an introduction to the world of Science and is a helpful foundation for CXC separate sciences and CXC single award Integrated Science Written in clear English it is suitable for a range of abilities *Report Michigan.* Department of Public Instruction,1889 **School Life** ,1959 **Documents Accompanying the Journal of the House** Michigan. Legislature,1889 *Report of the Superintendent of Public Instruction of the State of Michigan for the Biennium* ... Michigan. Department of Public Instruction,1889 **Grading the Nation's Report Card** National Research Council,Commission on Behavioral and Social Sciences and Education,Board on Testing and Assessment,Committee on the Evaluation of National and State Assessments of Educational Progress,2000-04-23 The National Assessment of Educational Progress NAEP known as the nation s report card has chronicled students academic achievement in America for over a quarter of a century It has been a valued source of information about students performance providing the best available trend data on the academic achievement of elementary middle and secondary school students in key subject areas NAEP s prominence and the important need for stable and accurate measures of academic achievement call for evaluation of the program and an analysis of the extent to which its results are reasonable valid and informative to the public This volume of papers considers the use and application of NAEP It provides technical background to the recently published book Grading the Nation s Report Card Evaluating NAEP and Transforming the Assessment of Educational Progress NRC 1999 with papers on four key topics NAEP s assessment development content validity design and use and more broadly the design of education indicator systems *Joint Documents of the State of Michigan* Michigan,1889 *Report of the superintendent ...* MI Dept Public Instruction,1889 **The Educational Weekly** ,1885 Circular - Office of Education United States. Office of Education,1950 **A Manual on Certification Requirements for School Personnel in the United States** ,1951 **Annual Report of the Superintendent of Public Instruction of the State of Michigan** Michigan. Dept. of Public Instruction,1889 Good Cheer ,1915 **Certification Requirements for School Personnel** Wesley Earl Armstrong,T. M. Stinnett,1951 The School World ,1906 The Lancet ,1885 **Resources in Education** ,1998 *Handbook of Photovoltaic Science and Engineering* Antonio Luque,Steven Hegedus,2011-03-29 The most comprehensive authoritative and widely cited reference on photovoltaic solar energy Fully revised and updated the Handbook of Photovoltaic Science and Engineering Second Edition incorporates the substantial technological advances and research developments in photovoltaics since its previous release All topics relating to the photovoltaic PV industry are discussed with contributions by distinguished international experts in the field Significant new coverage includes three completely new chapters and six chapters with new authors device structures processing and manufacturing options for the three major thin film PV technologies high performance approaches for multijunction concentrator and space applications new types of organic polymer and dye

sensitized solar cells economic analysis of various policy options to stimulate PV growth including effect of public and private investment Detailed treatment covers scientific basis of the photovoltaic effect and solar cell operation the production of solar silicon and of silicon based solar cells and modules how choice of semiconductor materials and their production influence costs and performance making measurements on solar cells and modules and how to relate results under standardised test conditions to real outdoor performance photovoltaic system installation and operation of components such as inverters and batteries architectural applications of building integrated PV Each chapter is structured to be partially accessible to beginners while providing detailed information of the physics and technology for experts Encompassing a review of past work and the fundamentals in solar electric science this is a leading reference and invaluable resource for all practitioners consultants researchers and students in the PV industry *"The" Athenaeum* ,1892 *Moderator-topics* ,1916

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