

LIFE SCIENCES
TOPIC TEST- Grade 11
Gaseous Exchange

Marks: 30

Time: 30 minutes

SECTION A

QUESTION 1

1.1 Various options are given as possible answers to the following questions. Choose the answer and write only the letter (A-D) next to the question number (1.1.1 to 1.1.2) in the ANSWER BOOK, for example 1.1.3 D.

1.1.1 A protective membrane surrounding the lungs:

- A. Plasma
 B. Pleura
 C. Cuboidal Epithelium
 D. Trachea

1.1.2 The main form in which carbon dioxide is transported in the blood:

- A. Oxyhaemoglobin
 B. Haemoglobin
 C. Bicarbonate ions
 D. Calcium Carbonate ions

1.2 Give the correct biological terms for each of the following descriptions. Write only the term next to the question number (1.2.1 -1.2.2) in the ANSWER BOOK.

- 1.2.1 The tissue that makes up the C- shaped rings in the trachea.
 1.2.2 Allergic reaction to dust and pollen.

1.3 Indicate whether each of the descriptions in COLUMN I applies to **A ONLY**, **B ONLY**, **BOTH A AND B** or **NONE** of the items in COLUMN II. Write **A only**, **B only**, **both A and B** or **none** next to the question number (1.3.1-1.3.2) in the ANSWER BOOK.

	COLUMN I	COLUMN II
1.3.1	The part of the brain that controls the breathing rate.	A Medulla Oblongata B Pituitary Gland
1.3.2	The muscle separating the thoracic from the abdominal cavity.	A Bronchi B Diaphragm

TOTAL SECTION A: [14]

SECTION B

QUESTION 2

- 2.1 Make a fully labelled drawing of the structure of the respiratory tubes from, and including, the larynx, until it enters the alveolus of the lungs.
 2.2 Describe the process of inhalation.

(5)
 (5)
 (10)

Practical Examination Grade 11 Practical Life Science

Léo Pomar



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ongoing educational agenda and student learning outcome in an unprecedented approach Six Regional Coordinators from Mainland China Hong Kong Japan Korea and Taiwan worked together with Editors and more than fifty science educators to assure the book project adequately reflects the trends and practices in this region The six Regional Coordinators are 1 Prof Weiping HU Shaanxi Normal University 2 Prof Winnie SO Wing Mui The Education University of Hong Kong 3 Prof Masakata OGAWA Tokyo University of Science 4 Prof Jinwoong SONG Seoul National University 5 Prof Huann shyang LIN National Sun Yat sen University 6 Prof Chi jui LIEN National Taipei University of Education This book intends not only to serve as references but also a complement of existing perspectives from western countries Insights gained from the integration and consolidation of East Asian developmental trends and perspectives would allow science educators teachers and policy makers make wise decision for future advancements for their own countries regions

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Overview and Inventory of State Requirements for School Coursework and Attendance Elliott A. Medrich,1992 The substance and impact of state level reforms related to student standards are presented by 1 providing information on the current state of educational reforms aimed at raising student standards 2 summarizing research designed to identify linkages between higher standards and student outcomes 3 exploring the strength of relationships between higher standards and student outcomes 4 examining trends among indicators associated with higher student standards and 5 discussing data and methods available to those concerned with the relationship of higher educational standards to student outcomes The first of four chapters briefly describes the range of state initiatives designed to achieve higher student standards and the problems associated with assessing their impacts as well as the data available for examining student outcomes Chapter 2 discusses the great variety of reform activities that have occurred at the state level between 1983 and 1990 and places them in a historical context Chapter 3 looks at research on trends in student outcomes and linkages to school reform such as student course taking patterns the proportion of school time devoted to academic subjects student achievement and high school completion rates The last chapter discusses issues associated with studying the impact of state reforms and suggests some analytical strategies that might be used to describe linkages between reforms and student outcomes Three appendixes provide the following information 1 minimum high school graduation requirements for standard diplomas 1980 and 1990 2 an overview of researching reform and student outcomes using selected databases and 3 standard error tables 53 references MLF **Nelson's annotated Scotch code, ed. by J. Kerr** Nelson Thomas and sons, ltd,Thomas Nelson & Sons,1899 **A study of the achievement test used in the health examination surveys of persons aged 6-17 years** Klaus Warner

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