

**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  
 A B. Pleura  
 C. Cuboidal Epithelium  
 D. Trachea

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

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

1.2 Give the correct **biological term** 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**. (4)

- 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**. (2)

	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)**

# Life Science Photosynthesis Practical Test Memorandum Grade 11

**Sarah Covshoff**



## **Life Science Photosynthesis Practical Test Memorandum Grade 11:**

**Photosynthesis** Sarah Covshoff, 2019-12-10 This user friendly book provides a range of classical and modern techniques for the study of photosynthesis in a manner accessible to a broad spectrum of researchers. Broken into four sections it explores the measurement of physiological photosynthetic parameters, quantifying photosynthetic enzyme abundance and catalytic activity, visualizing cellular and sub cellular phenotypes, and photosynthesis inspired energy generation. Written for the highly successful Methods in Molecular Biology series, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step by step laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and practical, *Photosynthesis: Methods and Protocols* aims to aid scientists working toward exciting developments in the understanding and application of photosynthesis.

## **Life Science Photosynthesis Practical Test Memorandum Grade 11** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Life Science Photosynthesis Practical Test Memorandum Grade 11**," 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's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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