



**PHYSICAL SCIENCES (CHEMISTRY)
GRADE 11 TERM 3 FORMAL EXPERIMENT - PART 2**

TIME: 1 HOUR

**VERIFICATION OF BOYLE'S LAW
INDIVIDUAL WORK (should be done under strict supervision).**

1. Write a scientific report which must include the following:

1.1 Aim

(1)

1.2 Apparatus and method

(5)

2. Observations and Recording of results (Copy the table below onto your book or sheet of paper and transfer the results you recorded when conducting the experiment). Calculate pV for each set of results and record your answers in the table.

Volume (V) cm^3	Pressure (p) kPa		pV (J)

(6)

3. Analysis of the results:

3.1 Identify the following variables for the experiment:

- Independent
- Dependent
- Controlled

(3)

3.2 Use the graph paper provided by your teacher to draw graphs of V versus p and V versus $\frac{1}{p}$.

(18)

4. Conclusion

4.1 Examine the results in your table as well as the two graphs you have drawn, what happens to the volume of the gas in the tube as the pressure is decreased.

(1)

4.2 Write down a conclusion for this experiment.

(3)

5

Questions and discussion:

5.1 Explain why you have to wait for a few minutes before you can take readings.

(2)

5.2 Explain the relationship between pressure and volume in terms of the kinetic theory of gases.

(4)

Memo Physical Science Grade11 Controlled Test 2 Term3

Stacie J. Fruth



Memo Physical Science Grade11 Controlled Test 2 Term3:

Fundamentals of the Physical Therapy Examination: Patient Interview and Tests & Measures Stacie J. Fruth, 2013-02-14

Fundamentals of the Physical Therapy Examination Patient Interview and Tests Measures introduces physical therapy students to essential screening and examination techniques that form the foundation of their practice across all body systems. It then builds on the foundational knowledge and helps students develop clinical decision making skills. Experienced clinicians make numerous and rapid decisions about what questions to ask during a patient interview, what systems need to be screened for problems that lie outside the scope of physical therapy, and what tests and measures must be performed during an initial patient examination. Physical therapy students and some new graduates often struggle with this decision making process and answering the why questions. This text provides the reader with a fundamental step by step approach to the subjective and objective portions of the examination process for a broad spectrum of patients within the musculoskeletal, neuromuscular, integumentary, and cardiopulmonary realms according to the Guide to Physical Therapist Practice. Ample rationale is provided for why a test measure would or would not be selected based on the patient's diagnosis or presentation. In addition to rationale to help with the clinical decision making process, case examples and sample documentation will also be provided. Each new textbook includes access to an extensive array of online videos demonstrating the how to for a wide variety of fundamental physical therapy tests and measures such as gross strength testing, various sensory tests, reflex assessment, and examples of a number of abnormal gait patterns. Also included in the videos are two complete patient examinations: interview and tests measures, one musculoskeletal and one neurological. Key Features: Clinical decision making flow charts, Key point callouts, Clinical challenge questions, Rationales, Case examples, Documentation examples, Hundreds of full color photographs, Videos, an online access code accompanies each new print textbook. Key Topics: Patient interview techniques and communication tools including sample interview questions, Review of body systems, Overview of physical screening tests and measures as outlined by the Guide to Physical Therapist Practice, Descriptions, rationales, and case scenarios for each test and measure, The step by step approach, Types of tests and measures, Observation, mental status and functional assessment, Musculoskeletal screening, Neurological screening, Integumentary screening, Companion Website includes Key Image Review, Web Links, Videos of Patient Interviews and Exams, Videos of Exam Procedures, Musculoskeletal patient interview and exam, Neurological patient interview and exam, Gait abnormalities, Videos of Tests and Measures, Postural assessments, Range of motion, Muscle length testing, Gross strength testing, Dermatome, myotome testing, Deep tendon reflexes, Sensation C

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Memo Physical Science Grade11 Controlled Test 2 Term3 Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the ability of words has are more evident than ever. They have the ability to inspire, provoke, and ignite change. Such may be the essence of the book **Memo Physical Science Grade11 Controlled Test 2 Term3**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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