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# Physical Science Grade 12 2025 June Term 2 Exam Papers and Memos

- |       |   |             |
|-------|---|-------------|
| 2.1.1 | Define the term <i>kinetic friction</i> .   | (2)         |
| 2.1.2 | Explain why the coefficient of friction for the two blocks, <b>A</b> and <b>B</b> are different.  | (1)         |
| 2.1.3 | Draw a labelled free-body diagram showing all the forces acting on block <b>A</b> .   | (5)         |
| 2.1.4 | Calculate the mass of block <b>B</b> .  | (7)         |
| 2.2   | A rock of mass 100 kg lies on the surface of a planet <b>Y</b> . The acceleration due to gravity on the surface of the planet is $12 \text{ m}\cdot\text{s}^{-2}$ . |             |
| 2.2.1 | State the <i>Newton's Law of Universal Gravitation</i> in words   | (2)         |
| 2.2.2 | Calculate the mass of the planet <b>Y</b> if its radius is 700 km.  | (4)         |
|       |   | <b>[21]</b> |

# Physical Science Grade 12 Term Test

**AW Chickering**



**Physical Science Grade 12 Term Test:**

## Reviewing **Physical Science Grade 12 Term Test**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Physical Science Grade 12 Term Test**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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