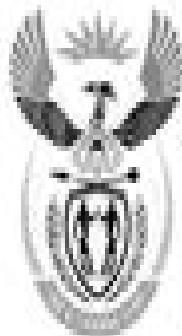


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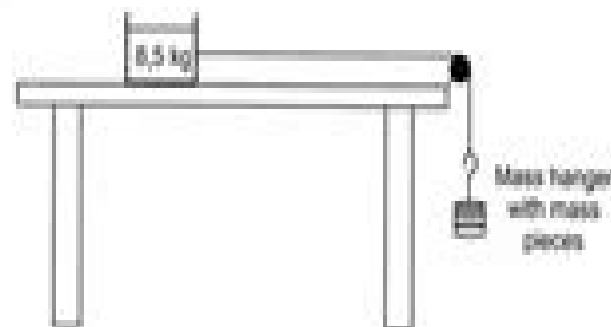
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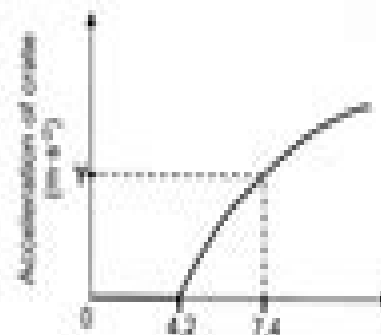
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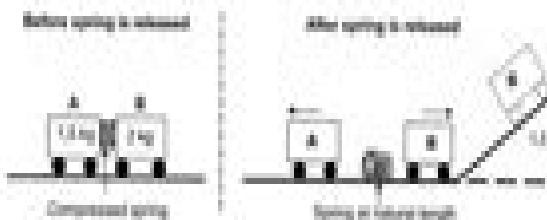
1 times by adding different masses to increase the hanging mass each time.  
the effects of air friction.



data obtained were used to draw the sketch graph below.



length. The spring then falls to the ground.  
Trolley A moves to the left, while trolley B moves to the right and then up a frictionless inclined plane, rising to a maximum vertical height of 1,5 m, as shown in the diagram below.

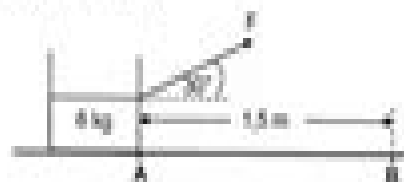


- 6.1 Write down the principle of conservation of mechanical energy in words. (2)
- 6.2 Calculate the speed of trolley B at the bottom of the inclined plane. (4)
- 6.3 For the hypothesis that the spring takes no time to return to its natural length.

(4 new pages.)

1 applied at an angle of  $30^\circ$  to the horizontal  
ly at rest, as shown in the diagram below.

on of 10 N acts on the crate as it moves from rest at point A ab  
point B. The distance between point A and point B is 1,5  
at point B is  $2 \text{ m s}^{-1}$ .



is work done by a force.

of free-body diagram showing ALL the forces acting on the crate.

IF PRINCIPLES ONLY, calculate the magnitude of force F.

# Physical Science Memo Grade 12 March 2014

**AW Chickering**



**Physical Science Memo Grade 12 March 2014:**

## **Physical Science Memo Grade 12 March 2014** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the energy of words has been evident than ever. They have the capacity to inspire, provoke, and ignite change. Such could be the essence of the book **Physical Science Memo Grade 12 March 2014**, a literary masterpiece that delves deep into the significance of words and their impact 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 will explore the book's key themes, examine its writing style, and analyze its overall affect readers.

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