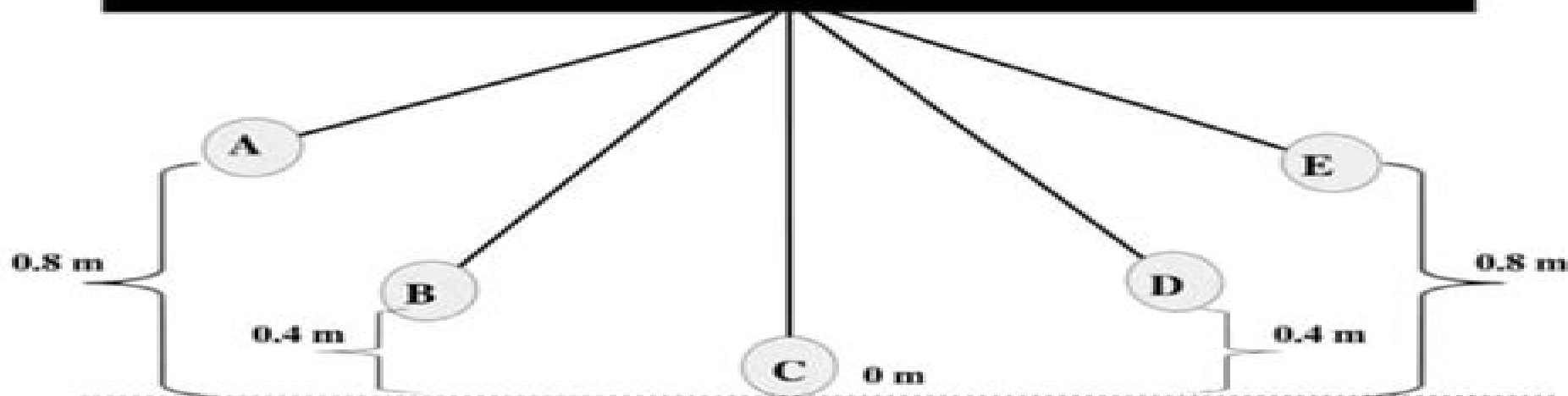


Directions: Calculate the Gravitational Potential Energy (GPE), Kinetic Energy (KE), and Mechanical Energy (ME) at different positions for the **530 kg** pendulum bob. Record units in Joules. Then answer the questions below the data table. Assume that friction and air resistance is negligible.



* Use 9.8 m/s^2 for g

Position →	A	B	C	D	E
GPE					
KE					
ME					

1. Why does the total mechanical energy (GPE + KE) remain the same at all five positions, even though the pendulum's GPE and KE individually change?
2. At which points does the pendulum have maximum potential energy, and at which points does it have maximum kinetic energy? How does this illustrate energy conversion?
3. What assumptions (such as neglecting friction and air resistance) must be satisfied for the pendulum's total mechanical energy to stay constant throughout its swing?

Conservation Of Energy 5 3 Worksheet Answers Stephen Murray

SJ Ball



Conservation Of Energy 5 3 Worksheet Answers Stephen Murray:

This book delves into Conservation Of Energy 5 3 Worksheet Answers Stephen Murray. Conservation Of Energy 5 3 Worksheet Answers Stephen Murray is a vital topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Conservation Of Energy 5 3 Worksheet Answers Stephen Murray, encompassing both the fundamentals and more intricate discussions.

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 - Chapter 3: Conservation Of Energy 5 3 Worksheet Answers Stephen Murray in Everyday Life
 - Chapter 4: Conservation Of Energy 5 3 Worksheet Answers Stephen Murray in Specific Contexts
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- This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Conservation Of Energy 5 3 Worksheet Answers Stephen Murray.

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