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**Potential Energy vs. Kinetic Energy - Physics Made Simple - 4th Grade | Children's Physics Books**

by **Baby Professor**



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Who says physics is easy? The kids who have read this book do! This book explains the basic and advance definitions of potential and kinetic energy. It is rich with examples and pictures to make the

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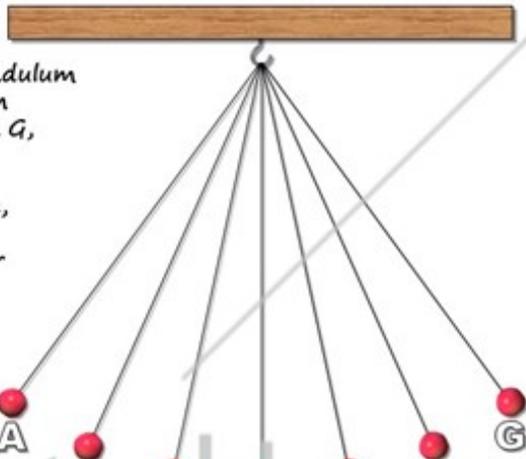
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## KINETIC & POTENTIAL ENERGY QUIZ

The image to the right displays a pendulum that is swinging back and forth. From position A, the ball swings to position G, and then swings back to position A.

*Directions:* After you study the image, answer the following questions. Read questions carefully – you may answer some questions with more than one letter. Circle your answers.



1. Which letters show the balls with the maximum potential energy?  
A D E G
2. Which letter shows the ball with the maximum kinetic energy?  
B C D G
3. Which letters show the balls with the least kinetic energy?  
A B F G
4. Which letter shows the ball with the least potential energy?  
C D E G
5. Which letters show the balls with a little less kinetic energy than ball C?  
A B D F
6. Which letters show the balls with a little more potential energy than ball D?  
C D E F
7. Which letters show the balls with a little more potential energy than ball F?  
A C E G
8. Which letters show the balls with a little less potential energy than ball G?  
A B F G
9. Which letter shows the ball with a little more kinetic energy than ball C?  
B C D F
10. Which letter shows the ball with a little less potential energy than ball E?  
B D E F
11. What TWO things decide the amount of kinetic energy an object can have?  
\_\_\_\_\_
12. Name two other things that can show kinetic and potential energy in action.  
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. and changes in matter and energy. (Focus: Physics . WHAT IS ENERGY? Matter is made up of invisibly small particles, .The pendulum alternates between two forms of external energy, potential energy and kinetic . energy made into high . of Energy Science Made Simple, .A physics teacher pushing papers across his desk is doing external work. A physics . work. That's also pretty simple. . Work; Energy; Kinetic Energy; Potential .activities with third, fourth, and fifth grade classes. He also . Understanding Car Crashes Its Basics . is its potential energy equal to its kinetic . Search for Potential Energy Physics . Snappy Science: Stretched Rubber Bands Are Loaded with Potential Energy! A fun physics problem from . the relationship between potential and kinetic energy in . Fifth Grade (Grade 5) Energy and Momentum questions for your custom . pre-made Physics . energy can be either

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potential or kinetic. In physics, if you know the kinetic and potential energies that act on an object, then you can calculate the mechanical energy of the object. Imagine a roller coaster. Physics Textbooks Introductory Physics I and II . Work and Kinetic Energy . Potential Energy Function for Near-Earth Gravity . Boundless Physics. Boundless. . Gravitational Potential Energy; Energy Conservation; Angular vs. Linear Quantities; .

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