

Potential and Kinetic Energy WebQuest

1. Go to <http://www.quia.com/cz/8072.html>. Take the Potential vs. Kinetic Quiz.
 - a. Click on "Click here to begin".
 - b. Answer the questions.
 - c. Click "check answers". Correct any incorrect answers.
 - d. Click "Next exercise" and answer the following questions.
 - e. Click "check answers". Correct any incorrect answers.
 - f. Click "next exercise" and answer the following questions.
 - g. Once you have collected 3 coins, you may exit and go on to #3.
2. Go to <http://www.quia.com/rr/35748.html> to play "Who Wants To Be a Millionaire: Energy Edition". You only get **TWO** chances to try and win \$1,000,000.
 - a. Click on "Click here to begin".
 - b. Answer the questions. (You may receive hints from the computer.)
 - c. Once you have attempted twice to win the \$1,000,000 move on to #4.
3. Go to: <http://www.learner.org/exhibits/parkphysics/coaster/> and create your own roller coaster.
 - a. Click "Begin".
 - b. Select the "Height of the First Hill".
 - c. Then click "next piece".
 - d. Select the "Shape of the First Hill".
 - e. Then click "next piece: exit path".
 - f. Select the "Exit Path".
 - g. Then click "next piece".
 - h. Select the "Height of the Second Hill".
 - i. Then click "next piece".
 - j. Select the "Loop".
 - k. Click "See Your Roller Coaster".
 - l. Draw your roller coaster in your notebook. Label the points where GPE and KE occur. What were your safety ratings? What was your fun rating?
 - m. Click on "your safety inspections" and record in your notebook whether or not your roller coaster passes safety inspections. Summarize each step's explanation of your ratings.

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