## Energy Form Transformation WebQuest

## Record your responses for each of the following activities in the Answer Sheet provided

**Activity One:** **[Forms of Energy](http://glencoe.mcgraw-hill.com/sites/dl/free/0078742722/160350/00076705.html" \t "_blank)** (BrainPop)

<http://glencoe.mcgraw-hill.com/sites/dl/free/0078742722/160350/00076705.html>

1. Find Activity 1 on the Answer Sheet.
2. Watch the video clip
3. Answer the quiz questions. Check and change any incorrect responses.

Note: Light energy is also called **RADIANT** energy.

**Activity Two: Energy Transformation with Bill Nye**

<http://www.youtube.com/watch?v=0ASLLiuejAo>

1. Watch the video
2. Find Activity Two on your Answer Sheet and complete answers

**Activity Three: Energy Transformation Reading**

[**http://www.eia.gov/kids/energy.cfm?page=about\_laws\_of\_energy-basics**](http://www.eia.gov/kids/energy.cfm?page=about_laws_of_energy-basics)

Energy can be transformed/converted from one form of energy into another.

1. Read this page
2. Complete work on Answer Sheet

**Activity Four: [Energy Transformations](http://media.pearsoncmg.com/bc/bc_campbell_biology_7/media/interactivemedia/activities/load.html?8&A" \t "_blank) Simulation**

<http://media.pearsoncmg.com/bc/bc_campbell_biology_7/media/interactivemedia/activities/load.html?8&A>

1. **Make sure you view the three parts**.
2. Write and complete the following sentences on your Answer Sheet.

**Activity Five: Energy Transformation Game**

[**http://www.jogtheweb.com/run/3mrocO6jDQDj/Energy-Transformations#3**](http://www.jogtheweb.com/run/3mrocO6jDQDj/Energy-Transformations#3)

1. Play the game.
2. Write one question you still have about Energy Forms or Energy Transformations.

**Activity Six: [Cat-Traption](http://www.learner.org/workshops/energy/cattraption/catques.html)**

[**http://www.learner.org/workshops/energy/cattraption/catrunthru.html**](http://www.learner.org/workshops/energy/cattraption/catrunthru.html)

1. Watch the cat-traption activity.
2. Then click on [On to Cat-Traption Activity](http://www.learner.org/workshops/energy/cattraption/catques.html).
3. Find Activity 5 on your answer sheet.
4. Answer each questions A-E by clicking on the letter and the top.
5. Write your answer **with an explanation**.
6. You don’t have to go beyond questions A-E

**Activity Seven:** **The Rube Goldberg Machine**

[**http://vimeo.com/10977948**](http://vimeo.com/10977948)

1. Find Activity 7 on your Answer Sheet
2. Write your answer to the question.

**Activity Eight: Your Interactive Notebook**

Directions: In your notebook, create a graphic organizer that:

* Organizes energy first by CATEGORY then by TYPE
* Please include definition and examples for ALL terms

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**If you finish early, check out this site:**

[**http://www.learningscience.org/psc2ctransferenergy.htm**](http://www.learningscience.org/psc2ctransferenergy.htm)

**or this Challenge game**

[**http://www.jogtheweb.com/run/3mrocO6jDQDj/Energy-Transformations#3**](http://www.jogtheweb.com/run/3mrocO6jDQDj/Energy-Transformations#3)