## Energy Form Transformation WebQuest

## ANSWER SHEET

**Activity One:** **[Forms of Energy](http://glencoe.mcgraw-hill.com/sites/dl/free/0078742722/160350/00076705.html%22%20%5Ct%20%22_blank)** (BrainPop)

|  |  |
| --- | --- |
| My Initial Answer | Corrected Answer |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |
| 5 | 5 |
| 6 | 6 |
| 7 | 7 |
| 8 | 8 |
| 9 | 9 |
| 10 | 10 |

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

1. Explain the difference between potential and kinetic energy.

**Activity Three: Energy Transformation Reading**

1. What does the phrase energy transformation mean?
2. Show some energy transformations below

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

**DEFINE-**

* **potential energy –**
* **kinetic energy –**
* **the conservation of energy –**
* **heat –**
* **chemical energy-**

**Activity Five: Energy Transformation Game**

Write one question you still have about energy transformations.

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

|  |  |  |
| --- | --- | --- |
|  | **Your initial response** | **The correct response** |
| **A** |  |  |
| **B** |  |  |
| **C** |  |  |
| **D** |  |  |
| **E** |  |  |

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

Give one example of potential to kinetic energy from the video. Explain in a full sentence (or two) using the terms potential and kinetic.

Please refer to the WebQuest for Activity 8 and the BONUS links.