Inquiry Project: Renewable vs. Non-renewable Energy Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_7\_\_\_\_\_

|  |
| --- |
| *WHAT IS AN INQUIRY PROJECT?*  An inquiry-based project involves authentic work that allows students to DEVELOP their knowledge, rather than simply regurgitate a formula or prescribed task from their text. It involves and individual or group of students to INVESTIGATE a worthy question, issue, problem, or idea! Those working through the task will require active engagement and the desire to learn about something they find personally intriguing! |

***QUESTION:*** *How has humanity effectively accessed naturally occurring resources in our world, and in what ways have we been able to successfully transfer the energy from them?*

**Your Task:** We have been learning about the transfer of energy, particularly heat energy for the past month. As learned in class, there are benefits and shortfalls to BOTH renewable and non-renewable resources. You will be exploring one of these resources in closer detail, based on personal interest and not a systematic formula of information.

Choose 1 energy source and tell about it... ALL about it… where it’s found… how we use it… how we extract it… why we need it… what we are doing right/wrong… EVERYTHING!!!!

To complete this task, you MUST address each component:

* What is the resource called? Is it renewable or non-renewable? *You can bring a sample*
* Where can we find these resources? Where do we harvest them? *You can show a map or create a model*
* How do we convert these sources to USEABLE energy? *You can choose to build a prototype or model of a device for this to help explain it!*
* What problems could there be? BE CRITICAL: What flaws are there? What is the economic cost? What is the environmental cost? What is the societal cost?
* SHOULD WE USE IT? Justify your opinion!

You may choose ANY format to complete this task. BE CREATIVE! Think outside the box; Google Slides gets OLD quick. Have fun! This is the LAST project of the unit! YAHOOOO!!

