

Name: \_\_\_\_\_

## HOW DO THE NEEDS OF WHERE WE LIVE AFFECT HOW WE LIVE?



Throughout this unit, you have learned that all living beings throughout history have adapted to the environment that they live in through their technological developments. Developments meet the needs of the growing civilizations and the challenges they encounter. One major development for modern societies was the discovery of electricity which is now used by billions of people around the world. Similar ancient developments are still used widely around the world today.

**TO SHOW YOUR UNDERSTANDING OF THIS QUESTION, YOU MUST COMPLETE AT LEAST THE FIRST TWO ASSIGNMENTS.** The more assignments you complete, the more points you can earn based on the quality of the assignment you submit. **SEE ATTACHED FOR EACH PROJECT DESCRIPTION AND MARKING RUBRIC!**

My Energy Source: \_\_\_\_\_

### NEED TO DO (Up to 4000 points each)

You have been tasked with building a museum on your island. You have been asked to create a display of ancient civilizations from around the world. Report on one civilization and describe 3 or more developments/inventions they are known for, **OR** choose 3 civilizations and describe one development/invention for each. Report can be written essay, poster, slide show, or brochure. Choose from Ancient India, China, Mesopotamia, Greece, Rome, or Egypt (up to 700 CE).

You must include:

- What is the development? (What is it? How was it used?) Include a picture.
- How did this development/invention change their daily lives?
- Do the inventions still exist today? Do they look the same?
- Why is it historically significant?
- References page

Select an energy source for your civilization. List what energy needs your civilization has (transportation, industry, personal use). In a pamphlet, list the pros and cons of your energy source AND its impact on global warming. (Be sure to include why your choice in energy generation makes sense for your island. Explain why it is suited for your climate zone and the needs of your civilization.)

Your pamphlet must include:

- A description of how the type of energy you selected is produced.
- A list of the energy needs of your civilization.
- How the energy is transmitted to areas of need (words & diagram)
- The environmental impact of the energy production and transmission, including effect on climate change.
- Reason for selecting this type of energy - Explain how it is suited for your island and climate zone.

Commented [1]: Can this be pushed to the next project?

### CAN DO (Up to 4000 points each)

Compare an ancient development to a similar technology we have today. Make sure to include how they are similar and different, a detailed description of each development, images of each one, and how it affects our daily lives differently. Report can be in a presentation style of your choosing. Make sure to cite your sources.

Students must create a plan (based on research of real practices around the world) to reduce the carbon footprint on their island and quantify **BY HOW MUCH**.

(Example: planting 1 tree reduces carbon in the atmosphere by \_\_\_\_\_)

### CAN DO PARTNER SUPER PROJECT (Up to 16000 points)

Work with a partner if you'd like! On one of your islands, what is an invention that people came up with? Some examples include: a method of transportation, clothing, a system of writing, shelter that uses materials found in your climate zone, your energy production source. **Create a working model or display** of this invention. In your project, you need to answer the following questions: what is it? How was it used in daily life? How did it change people's lives? Why is it important to your island? How will your electricity be transmitted to users in your civilization? *Students are responsible for bringing their own materials.*