The following assignment is for all of Mr. Butler’s Classes during this break of in-class instruction. Please do your best to complete the assignment and return it to me when regular school days resume. If there are any questions please send an email to [tbutler@eriesd.org](mailto:tbutler@eriesd.org). I will check my email throughout the day. Keep safe and I will see you all when we return to school.

For this assignment you are to research and write about a form of energy. Instructions are below with 5 different types of energy to choose from. You can fill in the blank in the “Example Title” below and use it as your title or choose your own title. Your paper should have the three different paragraphs as outlined in A, B, and C below (you can write more but that is up to you).

Example Title: A look at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ energy (or your own title)

1. Be sure to write in complete sentences and paragraphs
2. You should have at least three paragraphs (more is up to you).
3. Your research should be at least 1 - 2 pages long (it can be longer but that is up to you).
4. Your paper should include the following paragraphs:
5. History of fossil fuels such as oil, coal, and natural gas

* Who first discovered fossil fuels (give names and dates)?
* What are fossil fuels? Give names and explain how each is made or created.
* Are fossil fuels important to our everyday lives? (explain)
* What have fossil fuels been used for throughout history (include places, and dates)?
* Will fossil fuels last forever? Are fossil fuels a sustainable resource or non-sustainable energy resource? What are sustainable resources and non-sustainable resources?
* If fossil fuels are not sustainable then how long do we think they will last? (Who said this and what is his/her job?)
* What are we doing to help ourselves if we run out of fossil fuels? Explain

1. Alternative energy source

* What is one of the alternative energy sources that can be used to replace fossil fuels?
* Who discovered or first started working with this energy source (include names, dates, and places)? How is this form of energy produced? Have there been any great leaps of advancement in technology for the use of this form of energy from when it was first discovered?
* Is this form of energy sustainable or non-sustainable?
* How is this energy converted to a usable form for humans and what do we use it for?

1. Do people view this as a good or dangerous source of energy (give examples of what people think)? Are there any controversies and give examples (for example, do some people think we should not use this form of energy, is it harmful to the environment?, etc.)? Were there any disasters due to this form of energy (give examples)? Lastly, give your opinion on this form of energy (do you think it is safe (why), should humans use this form of energy (why), do the benefits of using this form of energy outweigh the dangers of using this energy (explain)?

The forms of energy you have to choose from are:

1. Nuclear

2. Wind

3. Solar

4. Hydroelectric

5. Geothermal