1. Considering what you already know about the theme, and after some research, answer the following questions:
   1. What are the main differences between a renewable and a non-renewable energy? To help you answer, use the table below, to indicate the advantages and disadvantages of each presented energies (renewable and non-renewable). **Note:** it is possible to access the links below on the section “To Learn More…”. Use the respective keyword to find information about this question).

|  |  |  |
| --- | --- | --- |
|  | **Advantages** | **Disadvantages** |
| **Oil** |  |  |
| **Natural gas** |  |  |
| **Coal** |  |  |
| **Solar energy** |  |  |
| **Water energy** |  |  |
| **Wind energy** |  |  |

* 1. Considering the answers given in 1.1., how does the use of these sources lead to problems such as climate change and air pollution?
  2. Considering the answers given in 1.1., would you say that renewable energies are always better than non-renewable energies? Justify tour answer.

**To Learn More…**

If you would like to explore further about this class theme, on the Keywords Table there are several links available, with additional information, related to each keyword. To access this information, click on the corresponding link on the section “References”.

**Keyword Table**

|  |  |
| --- | --- |
| **Keywords** | **Reference Number** |
| Advantages and disadvantages of solar energy | **[1]** |
| Advantages and disadvantages of wind energy | **[2]** |
| Advantages of water energy | **[3]** |
| Advantages and disadvantages of non-renewable energies | **[4]** |
| Advantages of renewable energies | **[5]** |
| Advantages and disadvantages of Oil | **[6]** |
| Advantages and disadvantages of coal | **[7]** |
| Advantages and disadvantages of natural gas | **[8]** |

**References**

**[1]** <https://www.empower-solar.com/blog/the-advantages-disadvantages-of-switching-to-solar-energy/>

**[2]** <https://www.energy.gov/eere/wind/advantages-and-challenges-wind-energy>

**[3]** <https://www.solarreviews.com/blog/hydroelectric-energy-pros-and-cons>

**[4]** <https://greengarageblog.org/21-advantages-and-disadvantages-of-non-renewable-energy>

**[5]** <https://www.un.org/en/climatechange/raising-ambition/renewable-energy>

**[6]** <https://www.4gas.com/advantages-disadvantages-using-oil-energy/>

**[7]** <https://eartheclipse.com/energy/advantages-disadvantages-of-coal.html>

**[8]** <https://group.met.com/en/media/energy-insight/advantages-and-disadvantages-of-natural-gas>