**Renewable Energy Pros and Cons**

Directions: Use only the websites provided. You may use the links or tabs within the websites for more research.

<https://www.ducksters.com/science/environment/renewable_energy.php>

<https://www.eia.gov/kids/energy-sources/renewable/>

<https://kids.kiddle.co/Renewable_resource>

Describe three pros and three cons for each renewable energy source. Please be detailed and try to vary your reasons between the kinds of energy. You should have different pros and cons for each energy source.

|  | **Pros** | **Cons** |
| --- | --- | --- |
| **Hydroelectricity/ hydropower** | 1- Hydroelectricity and hydropower promotes guaranteed energy.  2- Hydroelectricity and hydropower improves the air we breathe.  3- Hydroelectricity and hydropower can help fight climate change. | 1- Hydroelectricity and hydropower can cause floods.  2- Hydroelectricity and hydropower blocks fish and interferes with the mating cycle of fish..  3- Hydroelectricity and hydropower can destroy animals homes |
| **Solar Energy** | 1- Solar energy is 100% clean.  2- Solar energy is made from the sun which is always there.  3- Solar energy reduces the need for oil, coal, and natural gas. | 1- Solar energy requires space.  2- Solar energy is really expensive.  3- Solar energy doesn’t move a house and create motion. |
| **Geothermal** | 1- Geothermal is clean and sustainable.  2- Geothermal is used for heating.  3- Geothermal is simple and reliable. | 1- Geothermal has many harmful gasses  2- Geothermal contains toxic heavy metals.  3- Geothermal can affect the stability of the land. |
| **Wind Energy** | 1- Wind energy is a source of energy that helps to cut down on the pollution of earth's air.  2- Wind energy is a more useful form of energy.    3- Wind is unlimited supply. | 1- Wind energy can cause wildfires.  2- Wind energy is not constant.  3- Wind energy can create pollution. |
| **Biomass** | 1- Biomass is used for heat.  2- Biomass is used for electricity.  3- Biomass is an organic material. | 1- Biomass is not good because it is everywhere.  2- Biomass is not good because it is an organic waste.  3- Biomass is not good because it is bad for health. |