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

**Sources of Energy Research Project**

Energy is the ability to cause a change in an object.

That change can be:

* moving it
* crushing it
* burning it
* changing its state like melting an ice cube.

We use many different sources of energy to do work

Energy sources can be grouped into two types:

|  |  |
| --- | --- |
| **RENEWABLE** | **NONRENEWALBE** |
| This type of energy does not run out. It can be made in a short time or will always be there.  | This type of energy has a limited supply. It takes millions of years to form.  |
| Examples: Biomass Geothermal Hydropower Solar Wind | Examples: Coal Natural Gas Petroleum or Oil Propane Nuclear or Uranium |

Each of these sources are obtained or collected in different ways.

They are found in different places in Ohio, the United States and around the world.

Many are used to make electricity.

All of them have advantages and disadvantages.

**Resource suggestion:**

<https://www.need.org/need-students/energy-information-resources/>

NEED Primary or Elementary Energy Infobook

**Ten Sources of Energy Research Project Presentation Notes**

As each team is presenting, note facts about each source of energy.

|  |  |  |  |
| --- | --- | --- | --- |
| **Source** | **Renewable or Nonrenewable** | **Advantage** | **Disadvantage** |
| **Coal** |  |  |  |
| **Petroleum** |  |  |  |
| **Natural Gas** |  |  |  |
| **Propane** |  |  |  |
| **Nuclear** **(Uranium)** |  |  |  |
| **Solar** |  |  |  |
| **Wind** |  |  |  |
| **Hydropower** |  |  |  |
| **Biomass** |  |  |  |
| **Geothermal** |  |  |  |