**What are the Earth’s Natural Resources?**

* Mineral Resources
* Energy Resources
* Living Resources
* Air
* Water
* Sunlight
* Soil

**Resources are limited and are either Renewable or Nonrenewable:**

|  |  |
| --- | --- |
| **Resources** | |
| **Renewable** | **Nonrenewable** |
|  |  |

**What are Renewable Resources?**

* Renewable Resources can be replaced by \_\_\_\_\_\_\_\_\_\_\_\_\_at a rate close to the rate at which they are used.

**What are examples of Renewable Resources?**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What are Nonrenewable Resources?**

* Resources that exist in a fixed amount
* Nonrenewable are renewed very \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or not at all.

**What are examples of Nonrenewable Resources?**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**What is a Mineral Reserve?**

* The known deposits of a mineral in ores that are worth mining

**Nonrenewable Energy Resources:**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are nonrenewable and may cause pollution
* They are relatively cheap and easy to extract and use. (Examples include: Coal, Oil, Petroleum, and Natural Gas)
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: energy is created by atomic fission. It produces very little air pollution, but it does produce toxic waste that takes millions of years to decompose. It uses the radioactive mineral Uranium, which is nonrenewable.

**Renewable Energy Resources:**

* Have less of an impact on the environment and promote sustainability (the ability for future generations to have the same resources that we do)

**Environmental Cost v/s Economic Benefit:**

* Modern living standards are supported by extensive use of both renewable and nonrenewable resources
* There are advantages + and disadvantages - to using any energy source.
* Extraction and use of any resource carries an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that must be weighed against the economic benefit.

**Arizona has many natural resources:**

* In Arizona, Precious Metals and mineral resources include: Coil for *energy*, and Copper and Gold for *Industries like construction and electronics*

**How does the way in which some resources are extracted and used affect the Earth’s environment?**

* Can lead to pollution of land, water, and air
* May contribute to global warming
* Destruction of landscape may occur

**Advantages vs. Disadvantages:**

* Can you think of some based upon the graph?
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_