**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_ Date: \_\_\_\_\_\_\_\_\_**

**Renewable vs Nonrenewable Energy Chart**

Write a brief description of each energy source, draw an illustration, and bullet point the pros and cons. Use the link to access an online resource. <https://www.eia.gov/energyexplained/?page=us_energy_home>

**Define Renewable Energy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Renewable Energy Resources**

|  |  |
| --- | --- |
| **Biomass:** | **Illustration** |
| **Pros** | **Cons** |

|  |  |
| --- | --- |
| **Wind Power:** | **Illustration** |
| **Pros** | **Cons** |

|  |  |
| --- | --- |
| **Geothermal:** | **Illustration** |
| **Pros** | **Cons** |

|  |  |
| --- | --- |
| **Hydroelectric Power:** | **Illustration** |
| **Pros** | **Cons** |

|  |  |
| --- | --- |
| **Solar Power:** | **Illustration** |
| **Pros** | **Cons** |

**Nonrenewable Energy Resources**

**Define Nonrenewable Energy: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| **Oil (Petroleum):** | **Illustration** |
| **Pros** | **Cons** |

|  |  |
| --- | --- |
| **Natural Gas:** | **Illustration** |
| **Pros** | **Cons** |

|  |  |
| --- | --- |
| **Coal:** | **Illustration** |
| **Pros** | **Cons** |

|  |  |
| --- | --- |
| **Nuclear Power/Uranium:** | **Illustration** |
| **Pros** | **Cons** |

**Define the following sectors:**

**Industrial:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Commercial:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Residential:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Transportation:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Electrical Power:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**U.S. Energy Production and Consumption**

|  |  |
| --- | --- |
| **Total Energy Primary Production** | **Share of %** |
| **Natural Gas** |  |
| **Petroleum** |  |
| **Coal** |  |
| **Renewable** |  |
| **Nuclear** |  |

|  |  |
| --- | --- |
| **Total Energy Consumption** | **Share of %** |
| **Petroleum** |  |
| **Natural Gas** |  |
| **Coal** |  |
| **Renewable** |  |
| **Nuclear** |  |

|  |  |
| --- | --- |
| **Primary Energy Consuming Sectors** | **Share of %** |
| **Industry** |  |
| **Transportation** |  |
| **Residential** |  |
| **Commercial** |  |

|  |  |
| --- | --- |
| **Electricity Generation** | **Share of %** |
| **Natural Gas** |  |
| **Coal** |  |
| **Nuclear** |  |
| **Renewable** |  |
| **Petroleum** |  |

**Data Analysis: Use the charts above to answer the questions below.**

1. **Which source of energy does the U.S. produce the most? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **What percentage of the U.S. total energy production is nonrenewable? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **What energy source does the U.S. produce the most of, renewable or nuclear? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **What energy source does the U.S. consume the most? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
5. **How can the U.S. consume so much more petroleum but produce less of it than natural gas? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
6. **What sector consumes the most energy in the U.S.? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
7. **What energy source is used the most to produce electricity? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**