Types of Energy Student Chart

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of Energy** | **Major Use (s)** | **Advantages** | **Disadvantages** | **Renewable or Nonrenewable?** |
| Biomass |  |  |  |  |
| Coal |  |  |  |  |
| Geothermal |  |  |  |  |
| Hydropower |  |  |  |  |
| Natural Gas |  |  |  |  |
| Petroleum |  |  |  |  |
| Propane |  |  |  |  |
| Solar |  |  |  |  |
| Uranium (Nuclear) |  |  |  |  |
| Wind energy |  |  |  |  |

Information adapted from *Intermediate Energy Infobook* by The Need Project (2010).

Types of Energy Answer Key

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of Energy** | **Major Use (s)** | **Advantages** | **Disadvantages** | **Renewable or Nonrenewable?** |
| Biomass | Manufacturing products  Transportation | Can reduce greenhouse gases, | Pollution when burned  Some forms of biomass are not very energy rich | Renewable |
| Coal | Electricity | Energy rich, reserves will last 250 more years | Creates pollution | Nonrenewable |
| Geothermal | Heating, electricity | No emissions | Not widely available | Renewable |
| Hydropower | Electricity | Dams allow storage of energy | Dependent on large rivers, alters environment to build dams | Renewable |
| Natural Gas | Industrial use | Easily shipped by pipelines, cleaner than gasoline | Releases carbon dioxide when burned, hard to find and mine | Nonrenewable |
| Petroleum | Transportation | Energy rich and cost effective | Limited amounts, pollution | Nonrenewable |
| Propane | Industry, transportation | Clean burning, easily stored as a liquid | Not as widely available as petroleum | Nonrenewable |
| Solar | Space heating and electricity | Enormous amounts available | Expensive to convert to electricity, available only during daylight hours | Renewable |
| Uranium (Nuclear) | Electricity | No air pollution | Storage of radioactive waste | Nonrenewable |
| Wind energy | Electricity | No air pollution, low cost | Noise, threat to birds and bats, must have the correct wind speed | Renewable |

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