**Natural Resources**

Match these keys words to the definitions

|  |  |  |
| --- | --- | --- |
| **Non-renewable** | **Renewable** | **Sustainable** |
|  |  |  |
|  | will not run out if it is looked after carefully  |
|  | will not run out. Also called **infinite** (unlimited amount) |
|  | will eventually run out. Cannot be re-newed. Also called **finite (limited)** |

Now decide which resources go in each category. You should check the fact sheet to get more information.

     

 Wind power Nuclear power Hydroelectric Solar Coal Oil

   
 Gas Wave power Tidal power Geothermal power Biofuels wood

|  |  |  |
| --- | --- | --- |
| **Non-renewable** | **Renewable** | **Sustainable** |
|  |  |  |

**How is world energy consumption (use) changing?**

You are going to produce a compound line graph. This is where each line is piled up on top of the last.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1990 | 1995 | 2000 | 2005 | 2008 | 2010 | 2015 |
| **Coal** | 2500 | 2600 | 2800 | 3300 | 3200 | 3500 | 4000 |
| **Renewables** | 50 | 50 | 100 | 100 | 100 | 100 | 200 |
| **Hydro-electricity** | 300 | 300 | 400 | 600 | 600 | 1200 | 1400 |
| **Nuclear energy** | 200 | 300 | 300 | 500 | 500 | 600 | 600 |
| **Natural gas** | 1900 | 2000 | 2900 | 2950 | 2900 | 3000 | 3200 |
| **Oil** | 3000 | 3100 | 3500 | 3900 | 3600 | 4000 | 4100 |

year

Million tonnes of oil (equivalent)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13,500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 13,000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 12,000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 11,500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 11,000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|  |
| --- |
| Key |
|  | Coal |
|  | Renewables |
|  | Hydro |
|  | Nuclear |
|  | Natural Gas |
|  | Oil |

 |
| 10.500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 10,000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 9500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 9000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 6500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 6000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 5500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 5000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 4500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 4000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 3500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 3000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 2500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 2000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 1500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 1000 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 500 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 0 |  |  |  |  |  |  |  |  |
|  |  | 1990 | 1995 | 2000 | 2005 | 20102008 | 2015 |  |