NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**FOSSIL & ALTERNATIVE FUELS WEBQUEST**

1. What are fossil fuels?
2. Explain what a turbine is and include a picture of one.
3. How are fossil fuels used to make turbines work?
4. What are some good aspects of fossil fuels?
5. What are some bad aspects about fossil fuels?
6. Complete the grid below about fossil fuels:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Fuel Type** | **What is it?** | **Where can it be found?** | **How do we get it?** | **Advantages of this fuel type.** | **Disadvantages of this fuel type.** |
| **COAL** |  |  |  |  |  |
| **OIL / PETROLEUM** |  |  |  |  |  |
| **NATURAL GAS** |  |  |  |  |  |

1. Describe what the Greenhouse Effect is and include a diagram of it.
2. What do fossil fuels do to the Greenhouse Effect?
3. What is an “alternative energy”?
4. Complete the grid below for alternative energies:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FUEL TYPE** | **What is it?** | **Advantages of this fuel type** | **Disadvantages of this fuel type** | **Explanation of why or why not this alternative fuel type could be used in West Michigan** |
| **WIND** |  |  |  |  |
| **SOLAR** |  |  |  |  |
| **GEOTHERMAL** |  |  |  |  |
| **BIOMASS** |  |  |  |  |
| **WAVE** |  |  |  |  |