Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Assignment 3.1**

**How is Electricity Generated?**

*Read Section 8.1 and complete the following.*

***Electricity is generated from…***

|  |  |
| --- | --- |
| *renewable resources such as…* | *Non-renewable resources such as…* |
|  |  |

Read the last paragraph and look at figure 2. Put the following sentences in order to explain how electricity is generated.

\_\_\_\_ The turbine makes the giant electromagnet turn in the generator

\_\_\_\_ Water falls over a turbine

\_\_\_\_ The generator produces electricity

\_\_\_\_ The water makes the turbine turn

|  |
| --- |
| *Visualize the four steps above. Draw a picture below that shows how electricity is generated. Make sure to label the picture.*  |

**Activity 1 – Making a Mini Generator**

|  |  |
| --- | --- |
| *Create a labelled diagram of the mini generator.*  | *Explain in words how the mini generator works.*  |