**Energy In the Earth System Homework:**

***Pg. 31***

**Name: Date; Period:**

**Define in your own words:**

System –

|  |
| --- |
|  |
|  |
|  |

Matter –

|  |
| --- |
|  |
|  |
|  |

Energy -

|  |
| --- |
|  |
|  |
|  |

**Review:**

What two things make up the systems and spheres of Earth?

What are the two sources of energy on Earth?

**Differentiate:**

What is the difference between a closed and open system?

|  |
| --- |
|  |
|  |
|  |
|  |

What are the four spheres of Earth and what do they encompass?

|  |
| --- |
|  |
|  |
|  |
|  |

What are the parts of the following cycles:

 Nitrogen Cycle Carbon Cycle Water Cycle

**Explain:**

Is the Earth a closed or open system? Explain.

|  |
| --- |
|  |
|  |
|  |
|  |

What are the first two laws of thermodynamics?

|  |
| --- |
|  |
|  |
|  |
|  |

How is convection within the Earth’s interior related to density?

|  |
| --- |
|  |
|  |
|  |
|  |

How can humans affect Earth Systems?

|  |
| --- |
|  |
|  |
|  |
|  |