**Energy In the Earth System Homework:**

***Pg. 31***

**Name: Date; Period:**

**Define in your own words:**

System –

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Matter –

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Energy -

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**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?

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

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What are the parts of the following cycles:

Nitrogen Cycle Carbon Cycle Water Cycle

**Explain:**

Is the Earth a closed or open system? Explain.

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What are the first two laws of thermodynamics?

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

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How can humans affect Earth Systems?

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