**Solar Energy and the Atmosphere Homework:**

***Pg. 555***

**Name: Date; Period:**

**Define the following:**

Radiation –

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

Convection –

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

Conduction -

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

Albedo -

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

**Review:**

What is the electromagnetic spectrum and what are the waves found in it? :

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

Look at Figure 2 on page 556. What happens to the solar energy that is directed to Earth:

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

**Differentiate:**

What is the difference between the greenhouse effect and global warming?

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

Identify the following substances as having a high or low albedo: Solis, Grass, Snow and Water? Explain your answer.

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

**Explain:**

How are seasons produced? What happens as you go to more Northern or Southern latitudes:

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

What is the human impact on the ozone layer (bottom of page 556) and the greenhouse effect?

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