**Heat in the Atmosphere Review Questions:**

**Name: Date: Period:**

1. Cite specific examples from the lab where conduction, convection and radiation were present and how they were shown.

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1. What type of things can diminish the Greenhouse effect and why? What type of things can enhance the Greenhouse effect and why?

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1. Why are we having summer when we are farther from the sun than we are in winter?

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1. Describe how Station 10 in the lab demonstrated why more direct sunlight will lead to summer versus indirect sunlight?

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1. Use the idea of albedo to describe why it is cooler on a cloudy day than a sunny day.

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1. The diagram below shows land and sea breezes:



1. In the sea breeze diagram. Identify where we will see the three types of heat transfers:

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1. The following data was obtained from running an experiment similar to Station 13. Based on this data, what inferences or conclusions can you make? Graph the data below:

Light on

|  |  |  |  |
| --- | --- | --- | --- |
|  | Mins | Land Temp | Water Temp |
|  | 0 | 20 | 20 |
|  | 15 | 25 | 22 |
|  | 30 | 30 | 24Light off |
|  | 45 | 35 | 26 |
|  | 60 | 30 | 24 |
|  | 75 | 25 | 22 |
|  | 90 | 20 | 20 |