**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisory:** \_\_\_\_ 6.16.16

**TRIMESTER 3 CTA Review**

**Vocabulary:** Define the following vocabulary words.

**weather:**

**climate:**

**salinity: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**density:**

**density (equation):**

**troposphere:**

**solar angle:**

**humidity:**

**dew point:**

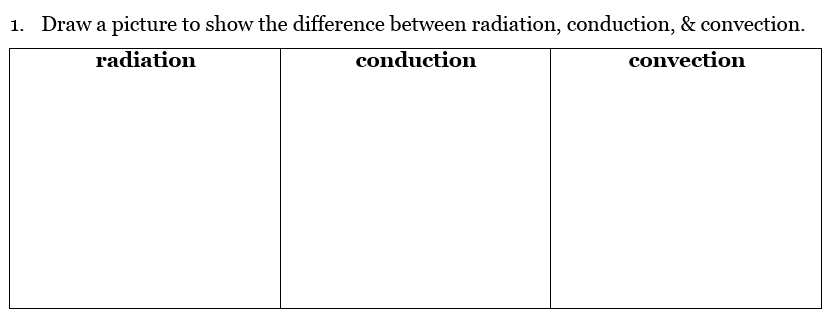
**evaporation:**

**condensation:**

**water vapor**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1)Create a model to demonstrate the difference between radiation, conduction, and convection.

2) What gas makes up most of the troposphere?

* 1. Which gas is second most common?

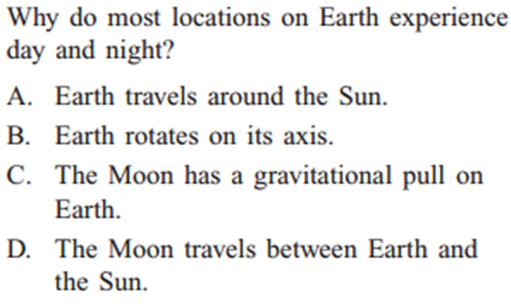
3) Describe how clouds form in the atmosphere.

4) What happens to the density of a gas when it is compressed?

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5) Draw a diagram that shows gases of two different densities.

|  |  |
| --- | --- |
| **Gas 1** | **Gas 2** |

6) Circle the best answer.

7) You are a water molecule in the atmosphere. List two possible paths you could take. Explain how you move through that path.

Path 1:

Atmosphere 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ …

Explanation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Path 2:

Atmosphere 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ …

Explanation:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8) Compare the two paths you created in #7 with the ‘traditional’ water-cycle model. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

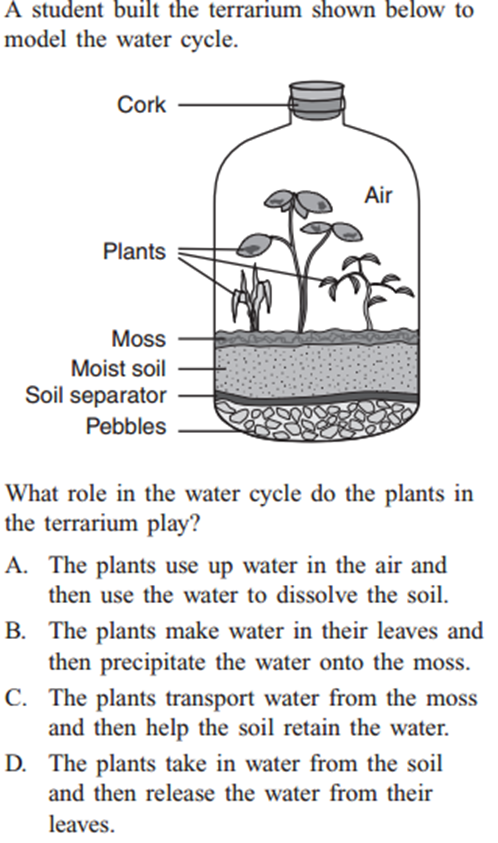
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9) Imagine a pressure map of the United States. There is an area of low pressure and an area of high pressure. Which direction is the wind blowing?

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10) What is the relationship between solar angle and latitude? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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11) A student built the terrarium below to model the water cycle. What role in the water cycle do the plants in the terrarium play?

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12) What is the relationship between latitude and climate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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13) What is the relationship between solar angle and climate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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