

Name: \_\_\_\_\_

Pd: \_\_\_\_\_

Date: \_\_\_\_\_

# Water & Weather

**Directions:** Using the website <https://www.sciencelearn.org.nz/resources/725-water-and-weather>, answer the following questions. Answers will be found in the text of the website & in the video clips. ANSWER IN COMPLETE SENTENCES where stated w/ **(COMP. SENT.)**.



1. The water cycle is driven by the \_\_\_\_\_.

2. Evaporation requires 4 main factors:

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3. Explain how each of the four factors affects the rate of evaporation. **(COMP. SENT.)**

a. \_\_\_\_\_  
\_\_\_\_\_

b. \_\_\_\_\_  
\_\_\_\_\_

c. \_\_\_\_\_  
\_\_\_\_\_

d. \_\_\_\_\_  
\_\_\_\_\_

4. Using the reading, explain the process of how precipitation occurs. **(COMP. SENT.)**

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

5. Weather and climate are often considered to be the same thing but they are **NOT** the same. Explain the difference between weather and climate. **(COMP. SENT.)**

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

6. What are the other factors that affect weather? **(COMP. SENT.)**

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



Watch the video ***Water and Weather*** to answer the following questions.

7. What are the meteorological variables?

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8. Explain how oceans play a role in climate/temperature. **(COMP. SENT.)**

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9. Explain the process of heat energy in the water cycle. **(COMP. SENT.)**

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10. Explain how the water cycle affects weather/climate. **(COMP. SENT.)**

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Watch the video ***Evaporation and Transpiration*** to answer the following questions.

11. How is evaporation defined? **(COMP. SENT.)**

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12. Explain the process of transpiration. **(COMP. SENT.)**

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13. When is evaporation rate at its highest? **(COMP. SENT.)**

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