

# Study Guide for Weather & Climate Unit Test

4th Grade Science – Mrs. Mackey

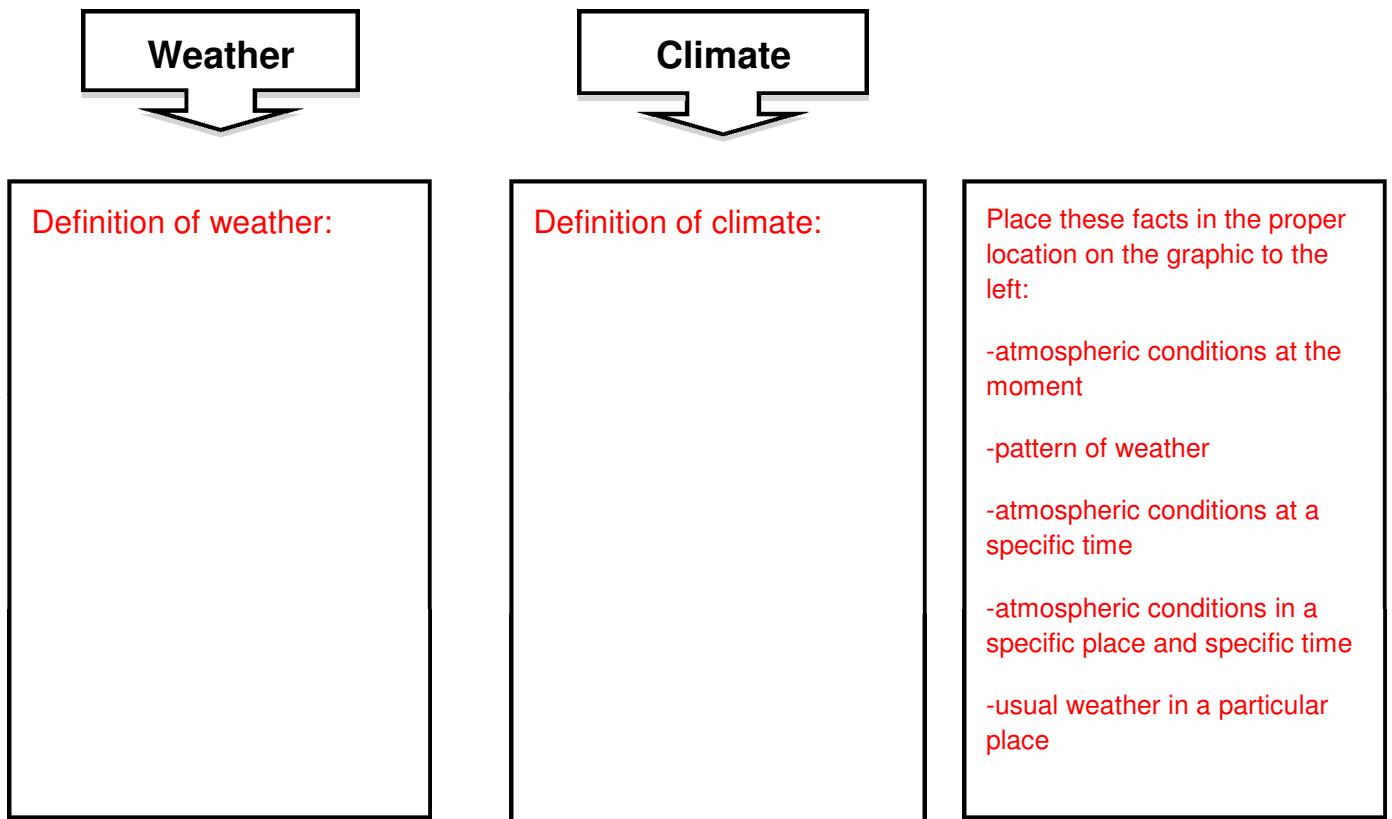
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1. Identify and describe the five weather conditions:

Weather Conditions

2. Define weather and climate. Then place the facts about weather and climate in the correct location on the graphic. What are the differences?



3. In the lab activity for Lesson 2 called “Got Rain?”, you measured rain in different sized containers. Describe what happened to the height (depth) and volume of the water in each container. Check your notebook and the web page for Lesson 2 notes.

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4. Name the four main types of clouds and describe what type of weather goes with each:

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5. How can clouds help you tell what kind of weather is coming?

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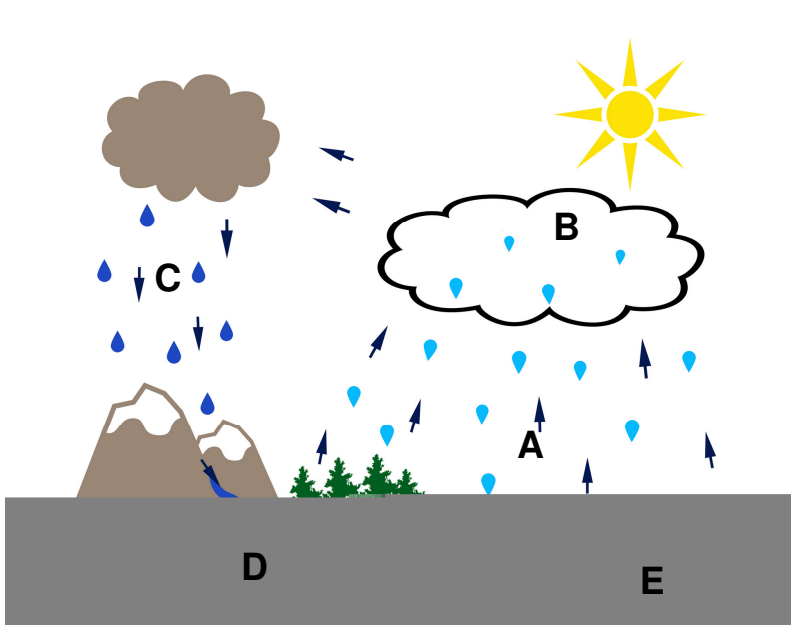
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6. The diagram below shows the water cycle. Five stages of the water cycle are labeled A, B, C, D, and E. In the chart, write the words that identify each stage of the cycle. Use the four questions below to guide you.

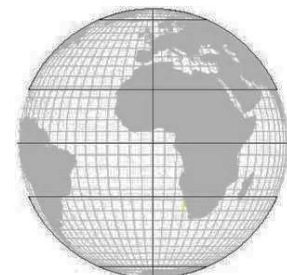
- A. What process in the water cycle is occurring at *A*?
- B. What process is occurring at *B*?
- C. What is the scientific name for the water at *C*?
- D. What is the name for the water moving from high to low elevation at *D*?
- E. What process is occurring at *E*?



A	
B	
C	
D	
E	

- 7. Which stage of the water cycle needs heating to make the process occur? \_\_\_\_\_
- 8. Which stage of the water cycle needs cooling to make the process occur? \_\_\_\_\_
- 9. The equator is an imaginary line that divides Earth into hemispheres.

A. Label the equator on the globe.



B. Label the North and South Poles on the globe.

10. Use the globe as a model to explain why the temperature is different at the equator and at the Poles.

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11. Describe the following words (use your glossary):

biome:

tundra:

rainforest:

desert:

grasslands:

12. Why doesn't all of North America experience the same *climate?*

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