

Weather & Climate

Grade level

Sixth

Time

1 period

Content Statement

E.ES.M.7 Weather and Climate – Global patterns of atmospheric and oceanic movement influence weather and climate.

Content Expectation

E.ES.07.71 Compare and contrast the difference and relationship between climate and weather.

Assessable Vocabulary

weather – conditions in the atmosphere of a specific place at a specific time

climate – climate is the general pattern of weather in a region over a long period of time

Procedure

Complete a K-W-L about weather.

Complete a K-W-L about climate.

Explain how weather and climate are different and similar

Common examples used to illustrate differences:

- Climate is what you expect, weather is what you get.
- Climate tells you what kinds of clothes to buy, but weather tells you what to put on each day.

Ask for examples of weather or climate from students

Assessment

Use “Weather v Climate” sheet to assess learning

Weather v Climate

Read the following statements. Put a "W" on the line if the statement is a weather statement, or a "C" on the line if the statement is a climate statement.

_____ 1. Fall here tends to be dry and cool.

_____ 2. The temperature is currently 3°C.

_____ 3. Our warmest month is August.

_____ 4. We average 200 inches of snow each winter.

_____ 5. There are only cirrus clouds in the sky today.

_____ 6. There is a hurricane affecting the Gulf Coast.

_____ 7. The nighttime low is expected to be -5°C.

_____ 8. The fog is making driving difficult.

_____ 9. The evenings are generally mild.

_____ 10. I will need a warm jacket for the winter.

_____ 11. I need to wear a sweater and long pants today.

_____ 12. The leaves are turning colors and falling off of the trees because the days and night are cooler.

Weather v Climate

Read the following statements. Put a "W" on the line if the statement is a weather statement, or a "C" on the line if the statement is a climate statement.

 C 1. Fall here tends to be dry and cool.

 W 2. The temperature is currently 3°C.

 C 3. Our warmest month is August.

 C 4. We average 200 inches of snow each winter.

 W 5. There are only cirrus clouds in the sky today.

 W 6. There is a hurricane affecting the Gulf Coast.

 W 7. The nighttime low is expected to be -5°C.

 W 8. The fog is making driving difficult.

 C 9. The evenings are generally mild.

 C 10. I will need a warm jacket for the winter.

 W 11. I need to wear a sweater and long pants today.

 C 12. The leaves are turning colors and falling off of the trees because the days and night are cooler.