

Lesson 3: How's the Weather?

BBB: Measuring Weather

Purpose

Watch the video at the following addresses:

<https://www.youtube.com/watch?v=WMsQdJgLNmI&feature=youtu.be>

<https://goo.gl/E5NlkG>

Word Wall Words

Thermometer: _____

Precipitation: _____

Humidity: _____

Wind Chill: _____

Watch the video carefully and be sure that you understand the lesson. Re-watch any part of the video that is unclear to you. Pause the video, to write the definitions of the word wall words. After watching the video carefully, answer the following questions:

Check for Understanding

Multiple-choice

1. You are visiting Canada! The weather report says it is 29°C. Your friend freaks out because they didn't pack a coat. What makes the most sense to say to your friend?

- "Let's go to the store and buy some coats so we don't freeze."
- "You don't need a coat. Maybe just a light jacket."
- "Are you crazy? All you need is a T-Shirt and shorts!"
- "Do you want to borrow my rain poncho?"
- "Let's drive to Buffalo, New York. I heard its 84°F."

Circle the correct answer

2. Circle which of these two weather conditions has more sun: Partly cloudy Partly sunny

Circle the correct words

3. As temperature increases, the air (increases / decreases) its capacity to hold water. As the air holds more water vapor, the humidity will (increase / decrease).



Your Progress:

- Mastery
- Proficient
- Developing
- Beginning

Short Answer

4. Why do you think warmer climates like Arizona have low humidity compared to warmer climates like Florida?

Circle the correct words

5. A precipitation map is generated by a (satellite / radar) On a precipitation map, heavier precipitation versus light precipitation is shown by (numbers / colors)

Multiple-choice

5. Accord to District 25 Policy on emergency closings due to cold:

Schools will be closed if there is a forecasted sustained wind chill of -30 degrees Fahrenheit or colder, or when the actual temperature is a sustained -15 degrees Fahrenheit or colder between the travel times of 5:30 a.m. - 9:00 a.m. and/or 2:30 p.m. - 5:30 p.m. The District will use forecasts provided by the National Weather Service.

Using the chart in the video, *circle all* of the following sets of conditions will lead to a school closure (assume the time of day is during “travel times”):

- a. The temperature is 0 °F with a wind speed of 25mph.
- b. The temperature is -15°F with no wind.
- c. The temperature is -5 °F with a wind speed of 30mph.
- d. The temperature is -10°F with a wind speed of 10 mph.