

## What is climate?

### Grade 3 Science Worksheet

rainy      winter      twenty      atmosphere  
desert      weather      Climatologists      air  
Meteorologists      quickly      forecast

The atmosphere is the \_\_\_\_\_ all around our planet. Weather tells you what is going on in the \_\_\_\_\_ at one time in one place. For example, you might say, "The weather in my city today is \_\_\_\_\_."

Weather can change \_\_\_\_\_ in a few minutes or a few hours. \_\_\_\_\_ study the weather. They can only \_\_\_\_\_, or predict, the weather about two weeks ahead.

Climate tells you the pattern of \_\_\_\_\_ in a large area over a long time. For example, you might say, "The climate of a \_\_\_\_\_ is hot and dry in the summer and cold and dry in the \_\_\_\_\_."

\_\_\_\_\_ study climate. They measure conditions over a long time: \_\_\_\_\_ years or more. Climate takes a very long time to change.

Some people remember the difference between climate and weather like this:



Climate is what you expect.  
Weather is what you get.

## Answers

rainy      winter      twenty      atmosphere  
desert      weather      Climatologists      air  
Meteorologists      quickly      forecast

The atmosphere is the air all around our planet. Weather tells you what is going on in the atmosphere at one time in one place. For example, you might say, "The weather in my city today is rainy."

Weather can change quickly in a few minutes or a few hours. Meteorologists study the weather. They can only forecast, or predict, the weather about two weeks ahead.

Climate tells you the pattern of weather in a large area over a long time. For example, you might say, "The climate of a desert is hot and dry in the summer and cold and dry in the winter."

Climatologists study climate. They measure conditions over a long time: twenty years or more. Climate takes a very long time to change.

Some people remember the difference between climate and weather like this:



Climate is what you expect.  
Weather is what you get.