Pretend you are going on a trip. Climate can help you know what to pack in your suitcase. Weather helps you know what to wear when you get there. All About Earth’s Climate

ABOUT THE ISSUE

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Flesch-Kincaid RL = 1.9
Some parts of the Earth get warmer than others. Places with snow and ice don’t get very warm. Places with forests or dark soil get warmer. The oceans also get warm.

This is called the weather. **Weather** is what Earth’s air is like at a certain time and place.

Weather is not the same as climate. Weather tells us what is happening right now.
What is Climate?

Earth’s climate is complicated. You need to know about the Sun to understand climate. You also need to know about Earth’s air, land, and water.

Climate tells us what a place is like over a long time.

It makes our Earth just right for us!
It helps water and air move around the world.
This energy makes wind.

Look out the window. Is it sunny?
Or maybe it’s raining.
Looking out Window. Photo courtesy of stock.xchng.
PENGUINSEYEAH! Photo courtesy of U.S. Antarctic Program, National Science Foundation.
The Sun’s light shines on Earth. The energy from the light makes Earth warm. Gases in the air trap some of the energy. Land traps some, too. So do the oceans. The energy makes the air, land, and water warm. Weather can change. One day it might be warm and sunny. The next day, it might be cooler and rainy. Weather can be different from far away from you.