What Makes Weather?

Why is Weather Different in Different Places?

Environmental conditions play an important role in weather. Things like an ocean or mountain range nearby can affect how the Atmosphere, Hydrosphere, and Geosphere interact over your home.





Meteorologists use two terms to describe the temperature of an air mass: polar (cold) or tropical (warm). They use two terms to describe an air mass's humidity: continental (dry) or maritime (moist).









Cloud Viewel





Take a picture of the clouds outside with your phone, and hold it up over this text to determine what the cloud cover outside is today!













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Example: The South

Summers in the South are hot and sticky because air masses in the atmosphere carry warm, moist air from the Gulf of Mexico to the Southeastern U.S. These conditions are what make severe storms such as tornadoes more likely to develop.



Example: The Pacific Northwest

The mountains directly east of Seattle contribute to that famous Pacific Northwest rain. Moist air moves into the area from the Pacific Ocean and collides with the Cascade Mountains. The mountains force the air up where it cools and releases its moisture in the form of rain.