



Weather Journal

Temperature

How warm or cold is it outside?

1. Make an educated guess if you think it is warm or cold outside. Look for clues - is water outside frozen or liquid? Are people outside wearing shorts, or coats?
2. Step outside and see how it feels!
3. You can check the exact temperature with a thermometer or check online to see the actual temperature.

Air

How does the air feel? Is it sticky and humid, or dry? Do you notice any moisture on your skin?

Sky

The color of the sky can give us clues about future weather as well as levels of air pollution.

Deep blue: a northern cold front or clean air from the ocean.

Medium blue: some pollution like dust from power plants, factories, and natural sources in the air, or water vapor.

Pale blue or white: possibility of severe air pollution.

Green: be on the lookout for a severe storm!

Red: in the evening, a high pressure system is moving in, dry weather is ahead; in the morning, a high pressure system is moving out, look out for moisture or precipitation.

Clouds

Clouds might look like different shapes or animals, but they can tell us about the weather, too!

Cumulus (puffy): usually out on sunny, clear days • if very tall and gray, a storm might be on the way.

Nimbostratus or Cumulonimbus (thick, grey): be on the lookout for a severe storm.

Cirrus (thin, curly): usually out on calm weather days • if cirrus clouds are accumulating, a storm might be coming.

Stratus (flat): light precipitation might be on the way.

Wind

You can either estimate the wind speed by observing what's moving, or use a weather instrument like an *anemometer*.

Calm: less than 1 MPH when you step outside, you can't feel wind on your face.

Gentle breeze: 4-18 MPH you can feel the wind on your face and light objects like leaves will rustle.

Strong breeze: 19-31 MPH you can see large tree branches move and hear the wind whistling.

Moderate gale: 32-46 MPH it's hard to walk against the wind and small branches might break.

Strong gale: 47-63 MPH trees can break and buildings might be damaged - winds this fast are uncommon.

Storm or Hurricane: 64 MPH and above, severe building damage.

Precipitation

Precipitation can be rain, snow, or hail.

If it's raining, you might see, hear, and feel how hard it is raining, and you can use a rain gauge to measure how much it has rained.

If it's snowing, notice if it is accumulating on the ground; if it's not, the ground is warmer than 32 degrees F.

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Temperature							
Air							
Sky							
Clouds							
Wind							
Precipitation							