

weather

the state of the atmosphere at a place and time as regards to heat, dryness, sunshine, wind, rain, etc.

thermometer

an instrument for measuring temperature

temperature

how hot or cold something is

humidity

the moisture in the air

wind

any moving air

wind vane

instrument used to show wind direction

sea breeze

type of breeze that blows from the sea to the land at day

land breeze

type of breeze that blows from the land to the sea at night

sea breeze storm

occur when cool sea breezes push clouds towards the shore and produce a storm (usually in Florida or on peninsulas)

anemometer

instrument used to measure wind (moving air) speed

cumulus

puffy, white clouds

cirrus

type of cloud made of ice crystals; usually means fair weather; wispy, feathery

stratus

smooth, even clouds, low in the sky

cumulonimbus

storm cloud

-nimbus or nimbo-

any type of cloud that will produce precipitation

barometer

instrument used to measure air pressure

air pressure

force of air pushing down on Earth

highs
(high air pressure)

pressure level when we have a fair, sunny day

lows
(low air pressure)

pressure level when we have a cloudy, rainy, or stormy day

hurricane

a tropical storm with wind speeds of 74 mph or greater

tornado

a storm of spinning air that comes from severe thunderstorms

air mass

large bodies of air

maritime

associated with water

continental

associated with land

polar

**associated with the cold,
north**

tropical

**associated with the warm,
south**

warm front

**type of front where warm air moves in
over cold air; brings warmer
temperatures and possible precipitation**

cold front

**type of front where cold air plows under
warm air; brings colder temperatures
and possible thunderstorms**

stationary front

**type of front that can bring long
periods of stead precipitation**

**symbol for a cold front on a
weather map**

**symbol for a warm front on a
weather map**

**symbol for a high pressure
system on a weather map**

symbol for low pressure system on a weather map

meteorologist

an expert who studies weather (meteorology)

National Weather Service

an agency that is responsible for meteorological observations, weather forecasts, storm and flood warnings, creating weather maps, etc.

satellite

a machine that is sent into space to collect information (including weather)

radar

a device that sends out radio waves to find speed and position of moving objects (even clouds)