

The Climate is Changing but How's the Weather?



Vocabulary for Students

- **Anemometer:** An instrument that measures wind speed.
- **Buoy:** A floating object that instruments can be attached to in order to measure things like wave height, wind speed, and air temperature.
- **Climate:** The average, long-term conditions of temperature, precipitation, winds, and clouds in an area.
- **Climate change:** A change in the long-term average weather conditions in a region or globally.
- **Computer model:** A computer program that simulates a system and what might happen in the system under certain conditions.
- **Forecast:** A prediction about something that could happen in the future.
- **Hygrometer:** An instrument that measures humidity by measuring the amount of water vapor in the atmosphere.
- **Ice sheet:** A massive layer of ice that covers more than 50,000 square kilometers of land. Ice sheets form in places where snow that falls in the winter doesn't completely melt in the summer, and thus accumulates over time.
- **King tides:** The very highest tides that occur in a place.
- **Meteorologist:** A scientist who studies the atmosphere and uses science and math to forecast weather.
- **Rain gauge:** An instrument that gathers and measures the amount of rain in a particular place over a particular time period.
- **Satellite (man made):** An object sent into orbit around the earth (or another planet) to collect information or for communication.
- **Thermometer:** An instrument that measures temperature.
- **Weather:** The condition of Earth's atmosphere (for example, heat/cold, wind, rain, cloudiness, etc.) at a particular time and place.

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