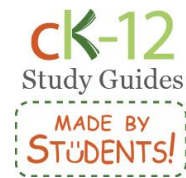


Collecting Weather Data



Traditional Tools

- A **thermometer** can be used to read temperature, either through temperature-sensitive Mercury or through a digital reading.
- A **barometer** is used to read the local air pressure. A low air pressure can usually signal an incoming storm
- Typically, a **weather station** contains a thermometer and a barometer as well as the wind speed and direction.

Weather Technology

- A **radiosonde** is flown through the air in order to get a reading of the weather from up above, instead of on ground level
- A **weather radars** can obtain readings on the levels of humidity and moisture, which can predict storms and rainfall.
- In recent years, satellites have been used as sources in collecting large-scale weather data, such as storms.

Connection

Weather reports on TV use all of these instruments to obtain accurate forecasts of the weather.



The thermometer is one of the most common ways to easily determine the weather

Concept Check

- What does a thermometer measure? What does a barometer measure?
- How does a radiosonde work?