


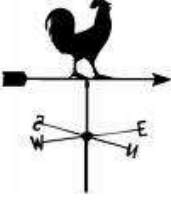



Weather Instruments

Weather Instrument	Measures	Picture	Units Used	Root Meaning*
Thermometer	temperature		Degrees F/C	(thermos) “heat”
Barometer	air pressure		Inches or millibars	(baros) “weight”
Anemometer	wind speed		mph or m/s	(anemos) “wind”
Wind Vane	wind direction		Cardinal directions (N,S,E,W)	X
Rain Gauge	rainfall		Inches or centimeters	X

Predicting Weather

Summary	Before	During	After
Warm front	Cooler temp. Light Showers	Warm temp. Drizzle or none	Warmer temp. Usually fair weather
Cold front	Warmer temp. Light showers	Cooler temp. Heavy showers	Colder temp. Showers clearing
Stationary front	Existing weather	Stormy weather	Depends who wins
High pressure area	Sunny, fair weather - air sinks reducing clouds. Air is moving in clockwise direction—cooler northern air is moving south and warmer southern air is moving north (happy weather)		
Low pressure	Stormy cloudy weather —air rises increasing clouds and precipitation. Air is moving in counter-clockwise direction (feeling low, sad weather)		