

Weather and Climate

Energy from the sun creates the weather and

climate.

A THERMOMETER measures the air temperature.



A BAROMETER measures air pressure.

- A rising barometer means sunny and dry

conditions, while a falling barometer means

stormy and wet conditions.

A RAIN GAUGE measures the amount of rain that has



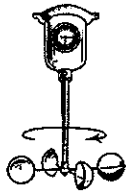
fallen over a specific time period.

A WIND VANE is an instrument that determines the

direction from which the wind is blowing.



An ANEMOMETER measures wind speed.



A HYGROMETER measures the water vapor content



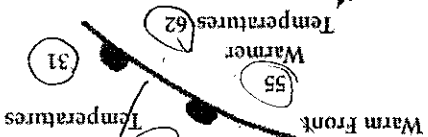
of air or the humidity.

A WEATHER BALLOON measures weather conditions

higher up in the atmosphere.

Warm front- warm air mass moves to cold air mass

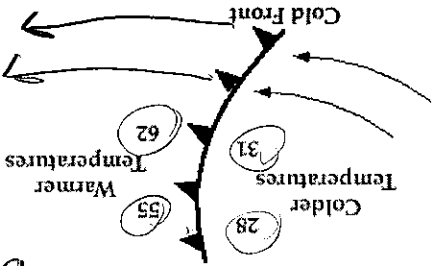
brings warm temp.



Shows direction of front

Cold front- cold air mass moves to warm air mass.

brings cold temp.



High pressure area- bright, sunny days

Low pressure area- rain and big storms

Weather- condition of the atmosphere at any given time. (can change day to day)

Climate- weather in an area over a long period of time.