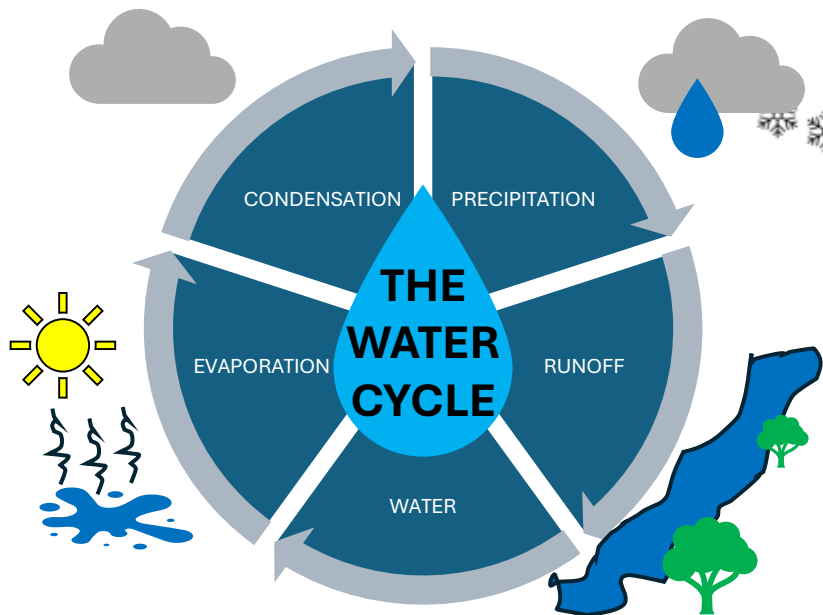


A TYPICAL CUMULUS CLOUD WEIGHS **1 MILLION** POUNDS!

DEW POINT IS A MEASURE OF THE AMOUNT OF MOISTURE IN THE AIR

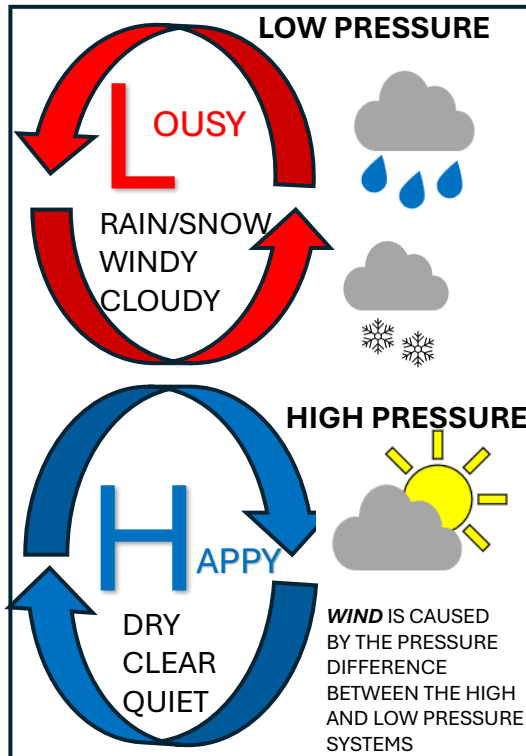
COMFORTABLE 45 **MUGGY** 70+



THE SURFACE OF THE SUN IS **10,000°F!**



BIG WEATHER SHEET



CLIMATE

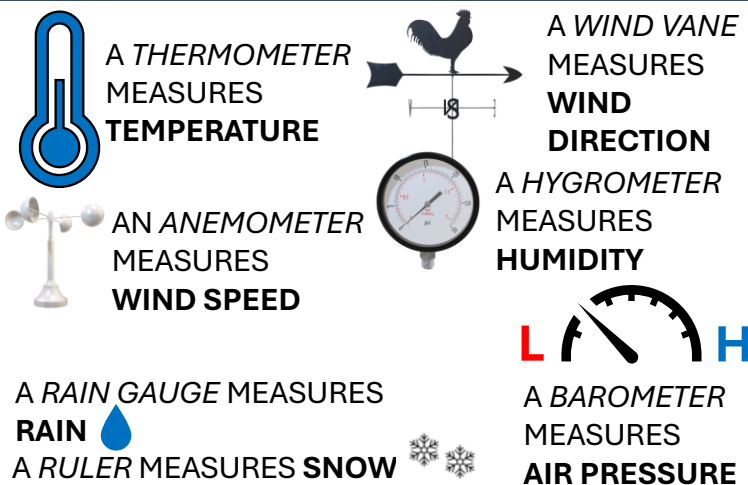
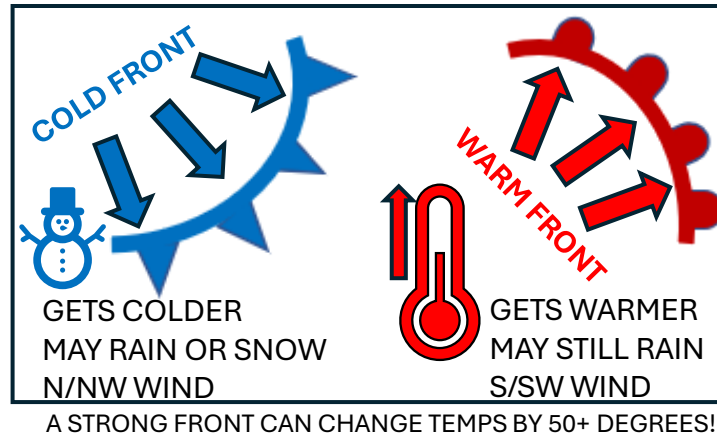


AVERAGE CONDITIONS OVER A **LONG** PERIOD OF TIME

WEATHER



CONDITIONS FOR A **SPECIFIC** PLACE & TIME



A **RAIN GAUGE** MEASURES **RAIN**
A **RULER** MEASURES **SNOW**

A **BAROMETER** MEASURES **AIR PRESSURE**

A **DOPPLER RADAR** IS USED TO DETECT **RAIN, SNOW, HAIL, GUSTY STORMS AND TORNADOES**

ABOUT 22,000 MILES UP!
A **SATELLITE** IS USED TO DETECT **CLOUDS, INCLUDING CLOUD TYPES AND CLOUD TEMPERATURES**

A **WATCH** MEANS CONDITIONS ARE FAVORABLE FOR THAT TYPE OF WEATHER
A **WARNING** MEANS THAT TYPE OF WEATHER IS OCCURRING OR WILL SOON

FAST FACTS!

LIGHTNING IS **50,000°F** & A BOLT MAY CARRY OVER A **MILLION** VOLTS!

THE **ENHANCED FUJITA SCALE** RATES TORNADOES FROM EF-0 TO EF-5 AND THE U.S. HAS **OVER 1,000** OF THEM PER YEAR.

WEATHER BALLOONS ARE LAUNCHED TWICE A DAY IN THE U.S. AND ARE USED FOR RESEARCH & FORECASTING. A BALLOON MAY GO AS HIGH AS **100,000 FT!**

THE **SAFFIR-SIMPSON SCALE** RATES HURRICANES FROM CATEGORY 1 TO 5.

LAKE-EFFECT SNOW CAN DROP **SEVERAL FEET** OF SNOW IN ONE CITY AND **NO SNOW** JUST A FEW MILES AWAY!

OUR **SEASONS** ARE CAUSED BY EARTH'S **23.5° TILT**