

Topic 7 Summary

Weather

Vocabulary

Air Mass	Dew Point	Radar
Air Pressure Gradient	Front	Relative Humidity
Air (atmospheric) Pressure	Humidity	Stationary Front
Anemometer	Isobar	Station Model
Atmospheric Transparency	Jet stream	Troposphere
Barometer	Monsoon	Visibility
Cloud Cover	Occluded Front	Warm Front
Cold Front	Precipitation	Water Vapor
Cyclone	Probability	Weather Variables
Cyclonic Storm	Sling Psychrometer	

Atmospheric Temperature

Heating of the Atmosphere

Convectional Transfer of heat in the Atmosphere

Heating and Cooling of Air by Expansion and compression

Atmospheric Pressure and Density

Measurement of and Changes in Air Pressure

Effect of Temperature on Air Pressure

Effect of Water Vapor on Air Pressure

Effect of Altitude on Atmospheric Pressure

Wind

Wind Speed

Wind Direction

Formation of Waves on Surface Water

General Circulation of the Air in the Troposphere

Convection Cells

Planetary Wind and Pressure Belts

Seasonal Shifting of the Wind and Pressure Belts

Weather Movement in the Contiguous United States

Formation of Surface Ocean Currents

Atmospheric Moisture

Energy of Evaporation and Transpiration of Water

Process of Evaporation

Factors Affecting Evaporation Rates of Water

Humidity, Temperature, and Dew Point

Relative Humidity and Temperature

Dew Point

Measuring Relative Humidity

Determining Dew Point

Cloud Formation

Precipitation

Atmospheric Transparency and Precipitation

Air Masses and Fronts

Characteristics of Air Masses

Lows and Highs

Fronts

Types of Fronts

Fronts and Weather Maps

Tracks of Air Masses and Fronts

Storms and Severe Weather

Mid-latitude or Cyclonic Storms

Hurricanes

Thunderstorms

Tornadoes

Blizzards

Emergency Preparedness for Storms