

# Weather Study Guide



## Types of Precipitation

- Hail – large or small lumps of ice that fall from the sky.
- Sleet – frozen rain
- Snow – ice crystals, formed from the freezing of water vapor in the air.

## Precipitation is caused by

- Evaporation – when water changes to water vapor and rises in the sky.
- Condensation – water vapor that turns to water droplets.

## Weather instruments

- weather vane (measures wind direction)
- thermometer (measures temperature)
- rain gauge (measures amount of rain fallen)



## Extreme Weather

- drought (no rain for a long period of time)
- floods (too much rain causing rising water)



## Common Types of Storms

- Hurricane – a violent, tropical storm having high wind speeds.
- Tornado – a funnel-shaped cloud extending toward the ground.
- Blizzard – a storm with dry, driving snow, strong winds, and intense cold.
- Thunder – when the hot air from lightning crashes with cold air.
- Lightning – when strong winds blow a storm cloud apart and it causes electricity.



## Other weather words

- Wind – the moving of air when air changes from hot to cold or cold to hot.
- Temperature – how hot or cold something is.



# Weather Study Guide

**United States. Civil Air Patrol**

A red circular graphic with a gradient, appearing as a stylized sun or a lens flare, positioned to the right of the light blue bar.

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