

# 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.



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**Vaughn College of Aeronautics and  
Technology**

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**Meteorology 100** Frank S. Sechrist,Edward J. Hopkins,1974     *Study Guide to Accompany Meteorology* Joseph M. Moran,Michael D. Morgan,1991-01-01     [Study Guide Supplement, Meteorology 100, Weather & Climate](#) Frank S.

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*Study Guide* James T. Shipman, Jerry D. Wilson, 1990    **Student Study Guide to Accompany Introduction to Geography**, 7th Ed., [by] Arthur Getis, Judith Getis, Jerome D. Fellmann Audrey E. Clarke, Brian P. Holly, 2000 This book introduces college students to the breadth and spatial insights of the field of geography. The authors approach allows the major research traditions of geography to dictate the principal themes. Chapter 1 introduces students to the four organizing traditions that have emerged through the long history of geographical thought and writing: earth, science, culture, environment, location, and area analysis. Each of the four parts of this book centers on one of those geographic perspectives. An access code to PowerWeb is packaged complimentary with every new student and instructor textbook. This website developed with the help of instructors teaching this course provides you and your students with curriculum based materials updated weekly, assessments, informative and timely world news, refereed web links, and much more.    *Instructor's Manual, Civil Air Patrol* United States. Air Force Department, 1951    **Summaries of Projects Completed** National Science Foundation (U.S.),

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