

Weather and Climate #4

Explain and trace the possible paths of water through the hydrosphere geosphere and atmosphere (i.e. the water cycle: evaporation condensation precipitation surface runoff/groundwater flow).

Water in the Atmosphere (Chapter 2.4 pages 54-60)

- Water Cycle - The continual movement of water among Earth's atmosphere, oceans, and land surface through evaporation, condensation, and precipitation.
- Evaporation - The process by which water molecules in liquid water escape into the air as water vapor.
- Humidity - The amount of water vapor in a given volume of air.
- Psychrometer - An instrument used to measure relative humidity
- Condensation - The process by which molecules of water vapor in the air become liquid water.
- Dew Point - The temperature at which condensation begins.

Precipitation (Chapter 2.5 pages 61-65)

- Precipitation - Any form of water that falls from clouds and reaches Earth's surface.
- Rain Gauge - An instrument used to measure precipitation.