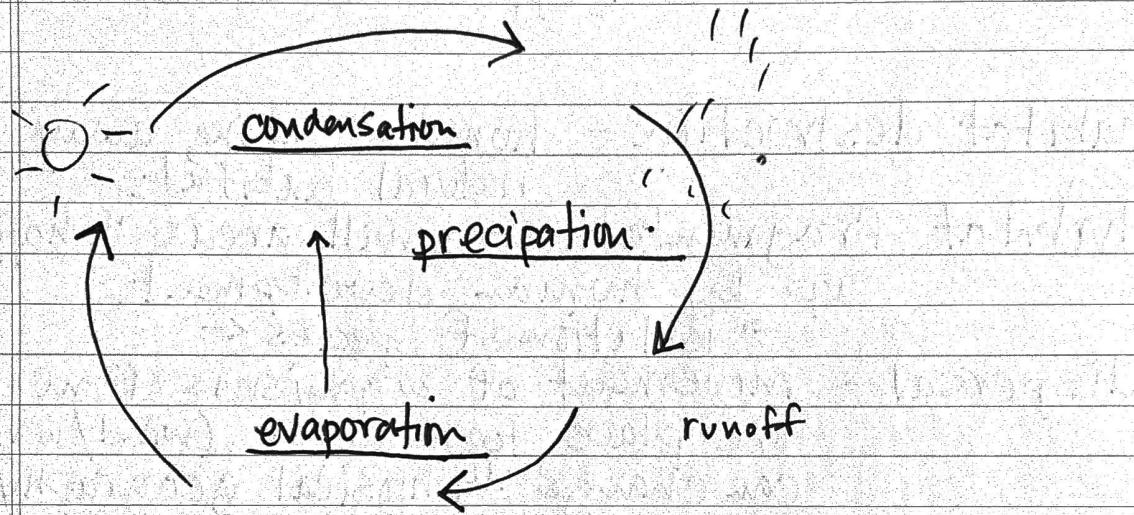


WEATHER

8/4 Ch 8.1

Water cycle: process powered sun's energy that moves water through Earth's Systems



Evaporation - Water molecules of liquid escape into air as vapor.

Condensation - water vapor become liquid → precipitation

humidity - measure of water vapor in air.

relative humidity - amount of humidity compared to max it may hold (at that temp.) %

100% = saturation

dew point - temp at which condensation occurs.

If high gives a "muggy" humidity feel to air

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Clouds - two conditions cooling of air

so evaporation condenses
 + particles : salt crystals
 smoke
 dust

Process :

- ① warm, moist air rises from bodies of water on Earth's surface.
 As the ~~water~~ air rises it (cools) condenses.
 - ② At a certain height, air cools to the dew point and condensation begins
 - ③ ~~water vapor condenses on tiny droplets or ice crystals particles in air~~
- ↑

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Main types of clouds

① cirrus clouds - feather-like "wispy" ice crystals very high in atmosphere
 * If pressure systems fair weather

② cumulus cloud - heaped clouds cotton ball in sky mid-level really tall
 * can be fair-weather OR active weather

nimbus - rain

③ stratus - low-level, flat, cover the whole sky precipitation ...