

A. Water Cycle:Water moves continuously through the earth and atmosphere
*Where is water found on the earth?
Liquid Water: The earth is unique because it has liquid water on it's surface
but not all liquid water is drinkable!!!
Oceans (salt water) <u>97%</u>
Freshwater <u>3%</u>
 Ice/Snow <u>2%</u>
 Lakes, streams, rivers, and underground <u>1%</u>
B. Processes that make up the water cycle:
1. Evaporation: Liquid water turns into gas water.
 The <u>sun's energy</u> heats up <u>surface</u> water in rivers, lakes, and oceans causing water to <u>evaporate</u>.
 Clean Water? - When water turns from a <u>liquid</u> to a <u>gas</u>
impurities are left behind. Ex; <u>distilled water</u>
2. Transpiration: Water <u>Evaporates</u> from the leaves of plants.
water travels through plant 3. Plant Uptake: Water is Absorbed from

the ground by the roots.

4. Condensation/Clouds: As gas water cools, it turns into <u>liquid</u> water to form
© Original Artist Reproduction lights obtainable from www.CartoonStock.com
I see Abraham Lincoln.
-Is it clean? -Water condenses into <u>droplets</u> only when there
are small <u>dust particles</u> in the air around which the
droplet can form.
Regoza-
a. Fog: a cloud at or near the Earth's surface.
b. Dew: Water droplets <u>condenses</u> from the air onto <u>cool</u> surfaces.
5. Transportation: Clouds and fog are pushed by <u>wind</u> .
6. Precipitation: Water moves from the <u>clouds</u> back down to the <u>surface</u> of
the Earth.
- Heavy Water: When droplets of water in <u>clouds</u> get too big
and <u>heavy</u> , they <u>fall</u> .
und <u>neavy</u> , mey <u>lun</u> .

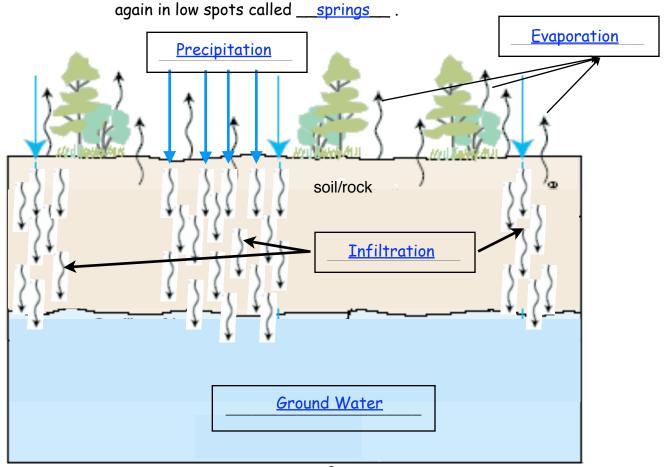
-Forms of Precipitation: <u>Rain</u> , <u>Sleet</u> , <u>Hail</u> , <u>Snow</u>
* Acid Rain: Factories, cars, and homes putpollution_ in the air
that mixes with the <u>clouds</u> causing rain to be <u>acidic</u> .
*Impact:
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 plant growth and health decreases
 decreased fish populations
- <u>buildings erode</u>
people/animals aettina sick

7. Surface Runoff: Water moves <u>down hill</u> into <u>streams</u>, <u>rivers</u>,



<u>ponds</u>, and <u>lakes</u>.

- a. Water Shed: The land area from which the water drains to a given point.
- •Small streams flow into <u>larger</u> streams, then into rivers, and eventually the water flows into the <u>ocean</u>.
- 8. **Infiltration**: Water moves (soaks) into the <u>ground</u> through the process of <u>infiltration</u>.
 - *Clean Water? -as water <u>infiltrates</u> through the soil and rock, many <u>impurities</u> are <u>filtered out</u>.
- 9. Ground Water: Water that remains underground is called <u>ground</u> water.
 - *Subsurface Runoff: Ground water moves slowly and can reach the surface



10. Aquifers: An __underground__ layer of __water__ within __permeable__ rock,
gravel, silt, clay, and/or sand where __ground water__ is naturally
stored.

Transpiration
by vegetation

Unsaturated zone

