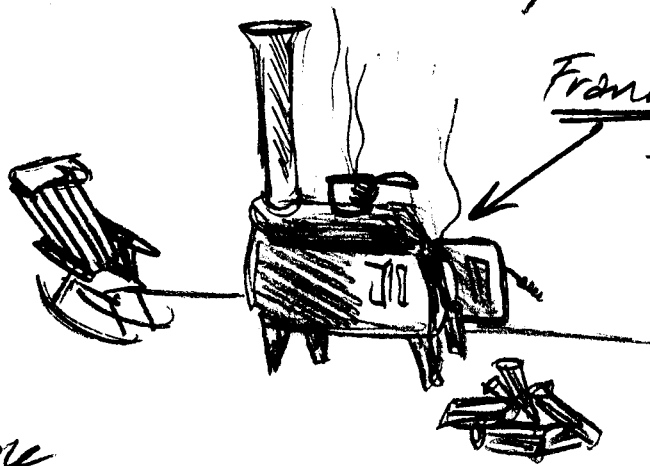


21 = 2nd Term

D MICRO-THERMAL - Are All located in the Northern Hemisphere

→ Also Referred to
a) Continental thermals

- Summers - Short & HOT
- Winters - LONG and very wet



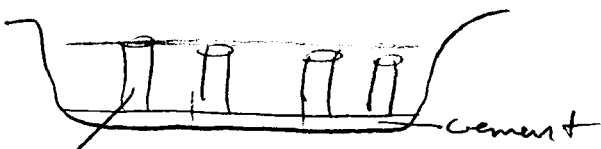
Franklin stove = used for Heating stove.
- made it out of CAST-IRON

* People
Need to be more inventive **D**

APRIL/OCTOBER - Are Always Nice. Anywhere

Basement
- for a Basement
Ground freezes to about 4 feet Deep.

Basement is a hole you dig in ground.



Footings for support

Roofs are slanted
Due to lots of snow



PERMAFROST
- ground is permanently frozen.

Growing season is so short you can't grow cereal grain

E climates
Permafrost is All the way thru ground.
very severe climates

Alaskan Oil pipe line.
Pipe - well insulated to prevent sinking
Due to the heating of oil and it to flow thru pipe.

GROWING SEASON -

22-2

Last Killing Frost of Spring \rightarrow to 1st Killing Frost of the Fall.

f: If temp drops below 28°F for over 4 HRS. is considered a frost.

f: Boreal Climate = Greek God of the Winds

f: Aboreal = tree like

Evergreens - located away from equator



The more \uparrow North you go \uparrow Shorter the trees grow.

Tree line - Here is @ 10,000 ft. - above that there are NO trees it's too cold for them to grow.

Above India \rightarrow there is a [E] Climate = Himalayans

- Tundra
- Tundra \rightarrow another Name for [E] Climate

MORE SOLAR RADIATION @ Top of mts. = Because / Lesser Atmosphere

At top of mts. =

there is a drop of pressure - (2)

Altitude \uparrow \rightarrow \downarrow pressure

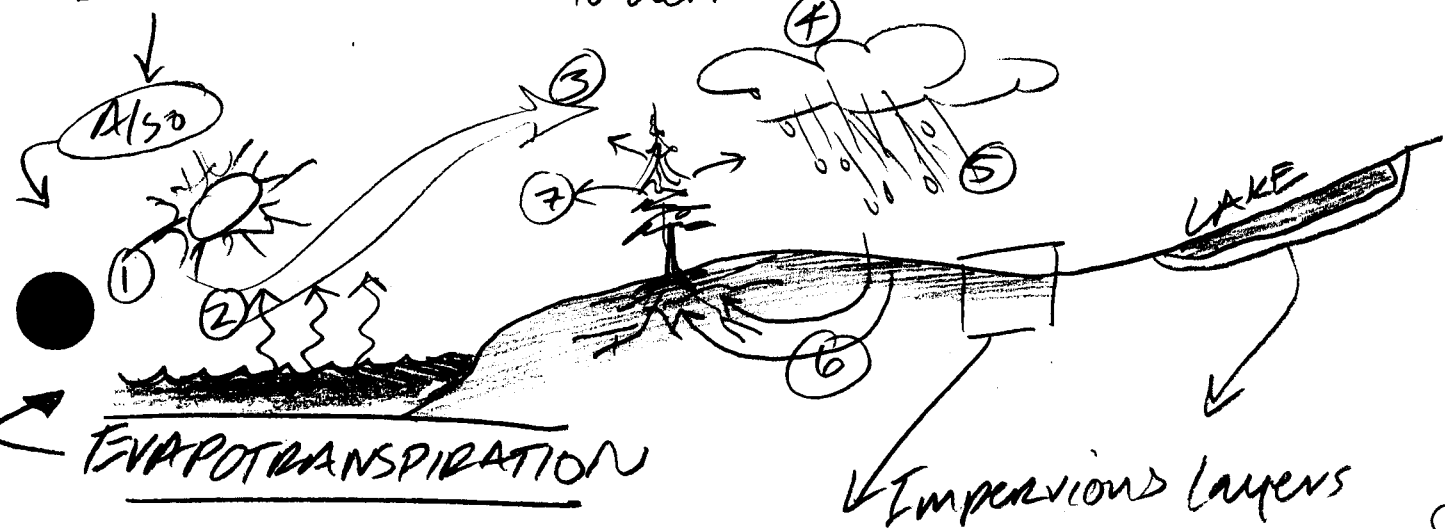
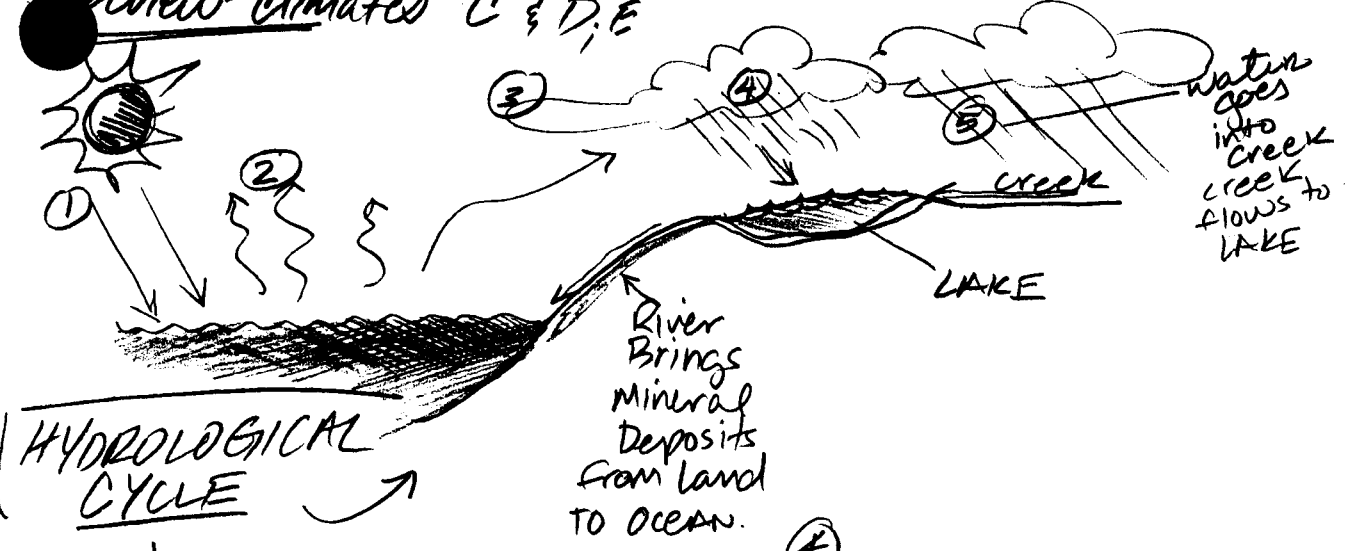
- o ear infections BABY
- o low pressure / change can cause still birth

people experience

• Altitude Sickness -

- from Change of
- Altitude
- Humidity
- pressure

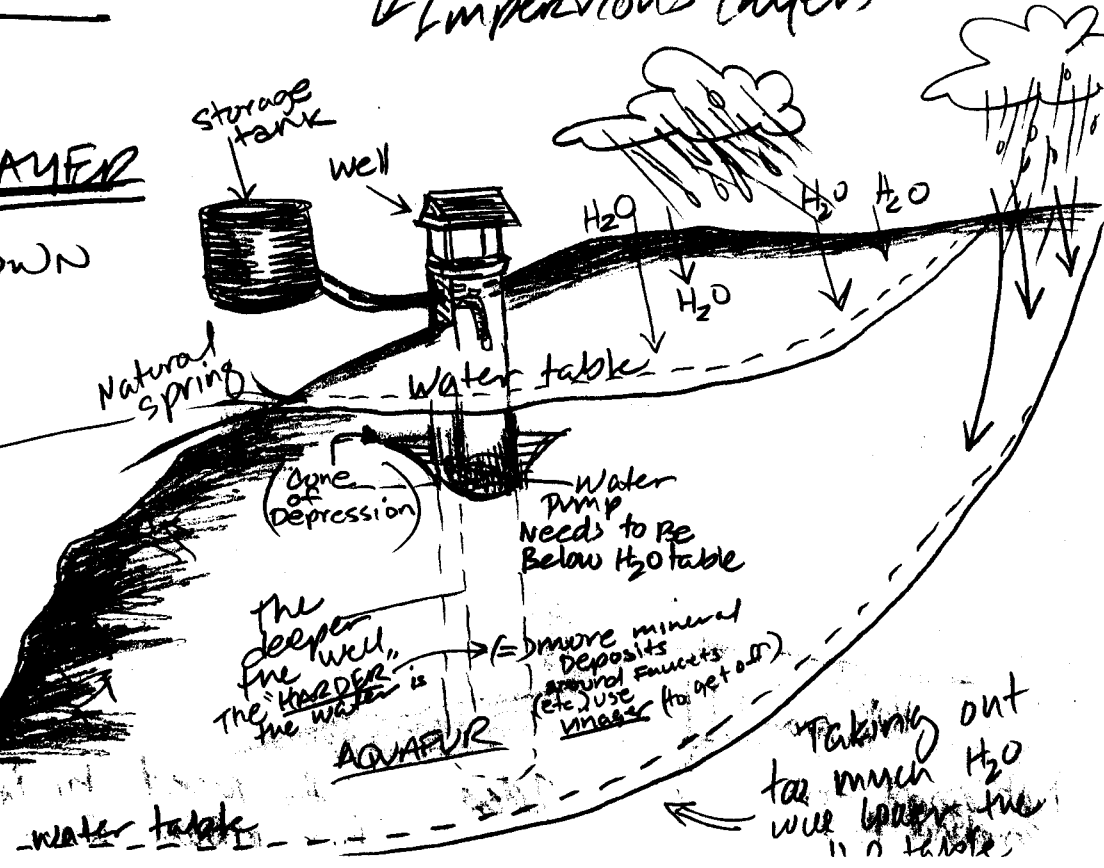
Review - Climate C & D, E



IMPERVIOUS LAYER

water flows down
By gravity

By using wells and pumping
up water
out of
water table
THUS, will dry
out spring



QUALITY OF H₂O

22-4

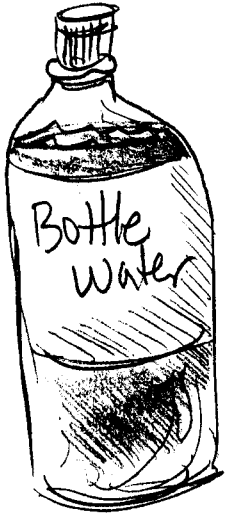
(2)

(California) ⇒ Delta, Contra Costa County

CONCERN - Quality
- Quantity

people who live here
Buy Bottle H₂O

Water coming from San Joaquin River
very polluted that goes
into Delta



Water has a taste depending upon
what minerals it percolates thru.

Calcium Carbonate Mineral = Carbonated
H₂O

Bottle Water (4 types)

- least expensive = Basic Bottle Water
- = Spring H₂O < must be tapped from spring >
- little more expensive = Purified H₂O
- More expensive = Pure H₂O < Distilled H₂O >

2) Why does it cost a lot of \$ to run a Distiller Machine?
A) Because the latent heat to evaporate
H₂O → electricity

- ▣ Affluent → stream carrying crudy water out ground H₂O
- ▣ Influent → stream carrying good/ (or bad) water into ground H₂O

Outhouses



Not good for
ground H₂O

Idea - wells need to be dug w/
far away from outhouses.

MTB -
Gas Stations

③
AQUICLUDE = hinder or prevent water movement
AQUIFER = underground water is stored in, and moves slowly through, moderately to high permeable rocks.

< 40% of H₂O that S.C. gets => is from San Lorenzo River >

SOILS - 23-1



(5) Factors that need to be considered when talking about SOILS

(1) *parent material < Broken up Rock >
 minerals which are present in Rock
 Determine how fertile is the soil.
 texture of soil



(2) *LAND Form
 Think Half dome.



The steeper the slope the thinner the soil.

The flatter the slope => thicker soil. = Alluvium soil

Richest soil = called Bottom land.
 found by creek beds.

↓
 Better for Farming

(3) *BIOLOGICAL ACTIVITY

soil is a living substance
 worms, bacteria, gophers.



Chicken poop worth just as much as the chicken eggs.

↓
 good Fertilizer

All critters doing their jobs