

Geography I Notes

Please Read

Disclaimer

These notes were taken by a student in Geography I, in Spring 2000

They are original notes and have not been corrected by the instructor.

There may be errors. The reader should compare these with your own notes and /or the lecture tapes. Mr. Balogh can answer questions, if you have any, during office hours.

GEOLOGY Intro

1/25/00

Dave Balogh

Office 437 B # 479-6346

HRS: MW - 10am - 11am

TH. - 11:30 - 12:30

FRI - BY APPT.

①

Intro to Geology: \rightarrow Geology = study of Rocks

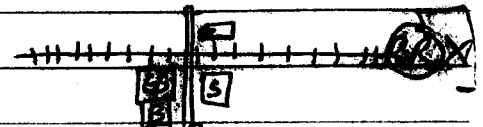
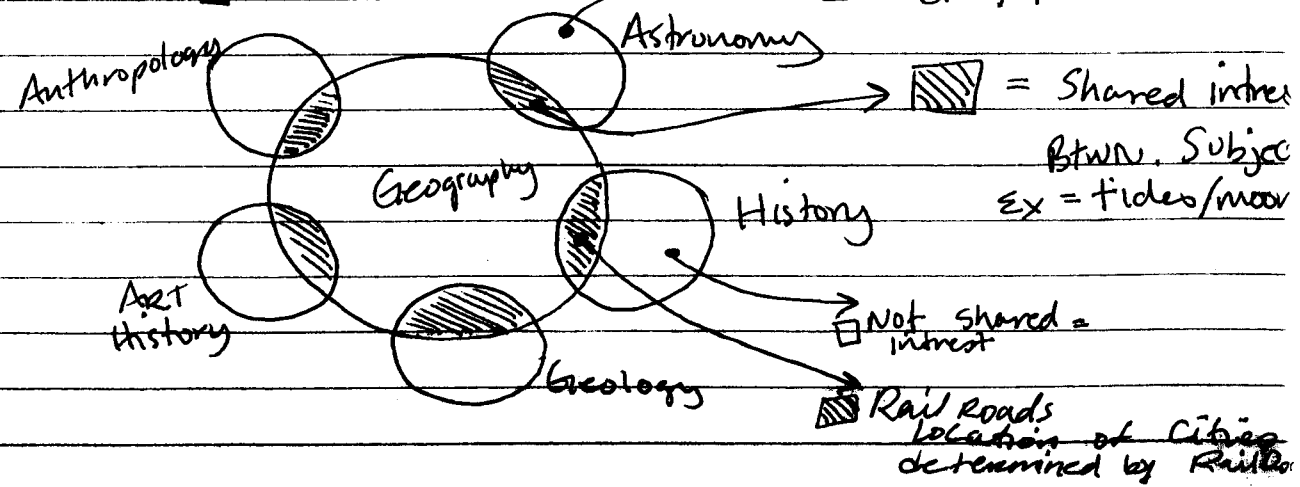
What is Geography? \rightarrow Geography = what is the use of the Rock

f: Organized knowledge of the Earth as the world of people.

Knowledge of Earth = GEO = f: Earth \rightarrow How DOES it effect people

Fettamen wrote article in 1908 =

Diagram \rightarrow



1/25/00

Geog.

② By 1855 Eucalyptus trees brought in.
150 yrs. Ago - There weren't even any one Eucalyptus

→ Geography
Divided into 2 parts

- ① physical geography - ^{ex:} Natural Science
- ② Cultural geography - ^{ex:} Anthropology, Social Science

Pettamen divided Geography into 2 parts.

Geography - makes MAPS - U.S.G.S. Quadrangle Sheet
 MAIN QUALITY (OR Gift geography gives) types of maps we will learn to read.

What Culture - ?

f: learned behavior - first taught by parents, → siblings → friends (visit friends and learn how everyone else behaves) →

<There is No Right or Wrong Culture.>

f: Ethno = f: Any group of people that live together that are the same culture/ethnic group - that is different from the people around them

f: Nation - is a group of people who have a shared culture.

f: State - is a political entity.

Geography ①

① 1/27/00

2-1

culture?
geography?

previous class

Site of a place - describes its interior structure

- Sierra Nevada
- The Great Valley
- Bay Area
- etc.

Basically what's inside the place

Situation of a place - How does it fit w/ its surroundings and Relationship.

How does EARTH fit in - what's the situation of the EARTH?

① most common thing

1. Empty Space

2. Hydrogen - Stars are basic Balls of Hydrogen.

3. Helium made up from 2 Hydrogen molecules

4. Energy is formed by $(H) \rightarrow (H)$ fusing together.
(=) star flashing.

Hydrogen fusions furnaces

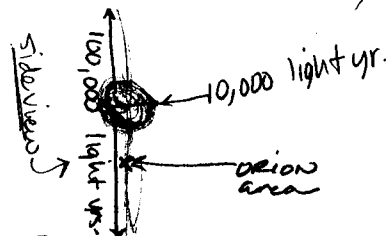
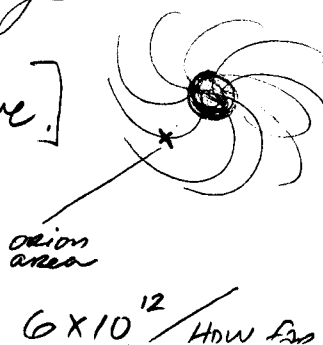
1951 - Hydrogen Bombs - developed something similar to the energy

Reason Sun - doesn't blow up do to gravity holding it together.

Hydrogen is not evenly dispersed - Thus it's in chunks, which we call Galaxy's

Our Galaxy is called Milky Way.

most of the things in



186,000 miles/sec.

6×10^{12} How far

VIDEO

1/27/00

2-2

Notes:

Scientists Recreate events which started
4.6 - 4.5 Billion years Ago Earth was Created

How do we know how earth was created?
- some believe MOON might hold answers as to how
earth was created - within first 1 Billion years.

NJ in Arizona -
Meteo Crater - about 50,000 yrs old.

* Nickel/Iron Meteorite *

Vertical Gas Gun/w/ Vacuum - used to simulate meteorite
Reactions in space.

MOON - craters and Rays on MOON



MOON surface heated up ~~it~~ caused by impacts → soon
COOL -

Venus - our sister planet (to Earth)

- thick clouds filled w/ CO₂ / lots of lightning

Acid Rain. (200 mph winds) (Venus 900°F temp surface)
dense Atmosphere / Thick Clouds act like
a insulator / Green House and keep
Heat on Planet

Plate Tectonics? - How did it Begin - Venus may hold
the answer.

MARS

atmosphere so thin - you can barely see it

"Vallas Merineras" - very deep Canyons - can suck up
many grand canyons

- No fuel / NO Organic Material

- Nothing would burn.

- dry cold planet - believed in Ice Caps on Mars are
wide Oceans.

JUPITER

- NO solid surface, Big Red Spot can suck up 3 earths

many moons around Jupiter



Saturn -

✓ 29/00

Uranus -

2-3

Neptune - moon triton

Orbit cloud - Space debris End of Milky Way.
← Before they know about other planets ie. Pluto

Believed there must be a star that is called "Nevasus" which goes around close to the sun every 26 million years.

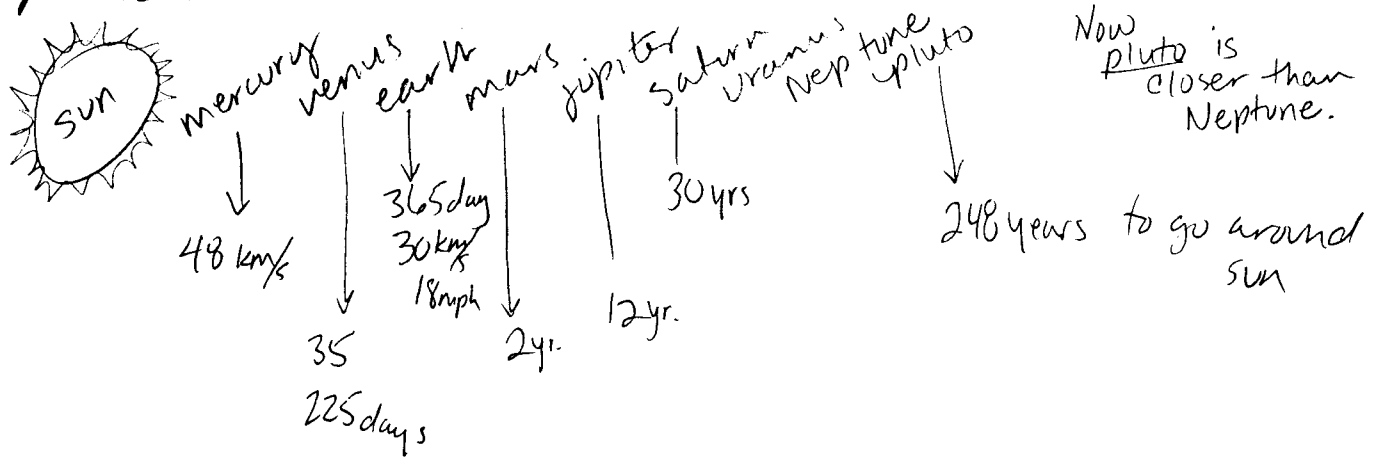
Study shown that every 26 mill. years, there is a large extinction and animals that is wiped out.

Questions still about how Dinosaurs became extinct.

Far away frozen places - tell us how planet earth might have been formed?

Andromina Galaxy - 200,000 light years away.

9 planets -



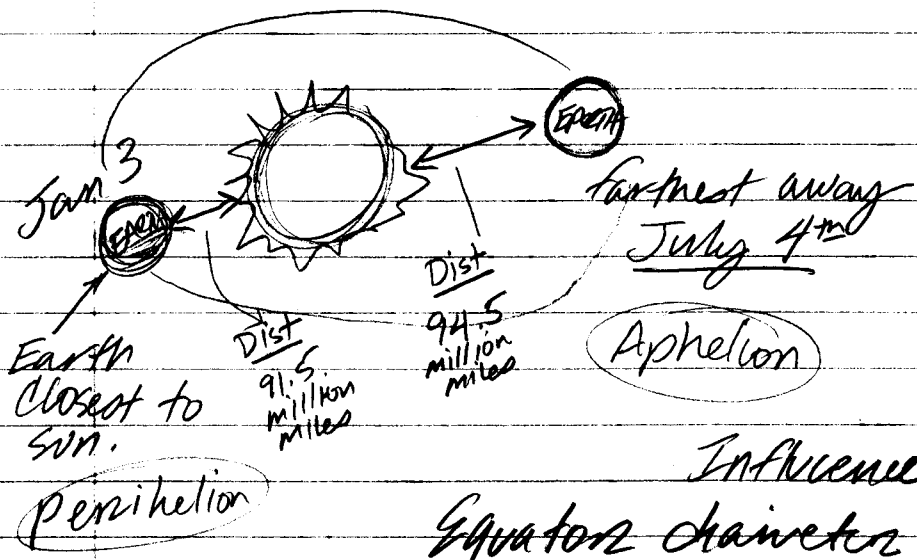
Geography -

Notes 2/10/06

How is Earth Related to Sun.

gravity stronger closer to sun.

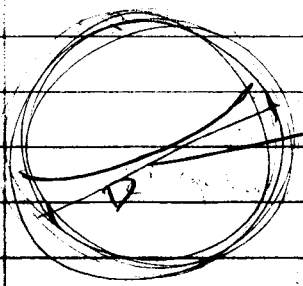
Revolution of Earth.



Rotates \rightarrow Counter Clockwise
 towards its own eastward direction

Influence of Rotation =
 Equator diameter 8000 miles

Closest Planet is to Sun in its orbital the faster it goes around Sun.



$$D = 8000 \text{ miles}$$

$$\text{Circumference} = \pi(D)$$

$$= 3.14(8000)$$

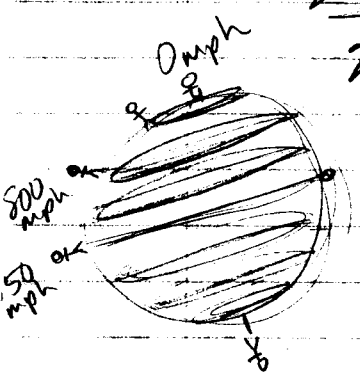
$$\approx 25,000 \text{ miles}$$

Rotation - EARTH spins on Axis 2-5
 Revolution - EARTH going around SUN

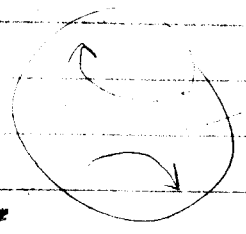
2/1/00

How fast does Earth travel?

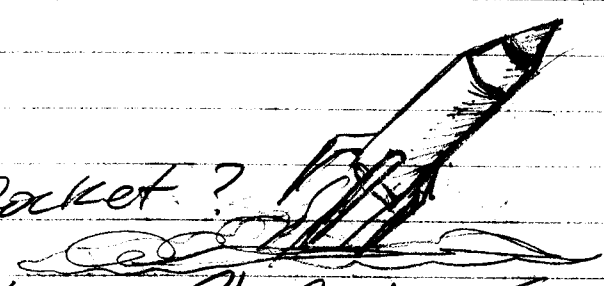
$\frac{25,000 \text{ miles}}{24 \text{ hrs}} = 1050 \text{ mph @ Equator}$



Coriolis Effect f?



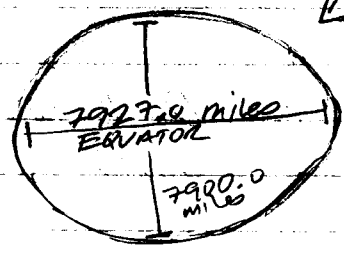
Launching a Rocket?



Best way to do it - Pt. Rocket Eastward and @ Equator

Shape of Planet physically
 Earth.

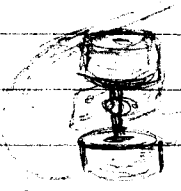
↓ due to Rotation



Oblate = Spheroid

↓
 distorted due to rotation

↓
 Rotating on an axis



Geoid = Shape Earth would be w/out mts or oceans canyons

What would you see to prove that Earth is Round?

- ships going down (photo)
- Navigation