

CSE-102 Class 7 Notes

CSE 102 - Class 07

2 people see same thing and come too two different conclusions

Grand Canyon

Evolutionist - Millions of years

Creationist - Flood did in 30 minutes

Kaibab uplift - 7000-8000 ft

Colorado river enters canyon at 2800ft above sea level

Leaves canyon at 1800ft above sea level

Drops 1000 ft

No delta

Grand Canyon is washed out spill way

Water goes over at lowest point - makes opening larger until canyon is formed

2 Peter 3:3-4

"[3] Knowing this first, that there shall come in the last days scoffers, walking after their own lusts,
[4] And saying, Where is the promise of his coming" for since the fathers fell asleep, all things continue as they were from the beginning of the creation."

Scientists watch how much rock is removed in 1 year and calculate how long it took to form the canyon by multiplying by how deep it is

2 Peter 3:5

"For this they willingly are ignorant of, that by the word of God the heavens were of old, and the earth standing out of the water and in the water:"

James Hutton wrote a book in 1775 (Theory of the Earth with Proofs and Illustrations)

Estimated earth was much older than expected - looked at rock formations

Established uniformitarianism

The present is the key to the past - Things are as they always were

1700's many revolutions to get rid of kings - bible says you should honor the king - get rid of bible

Scottish lawyer Charles Lyell read this book

He hated the bible

In his writings he scoffed at the bible instead of outright saying that Christians were wrong because most people were still Christians.

"the interests of religion as well as those of sound philosophy had suffered, by perpetually mixing up the sacred writings with questions in physical science"

"men of superior talent alone, who thought for themselves, and were not blinded by authority, could deduce any jut conclusions from geological evidence."

Lyell wanted to "free the science from moses"

Lyell dug and found layers.

He named the layers and assigned them an age and index fossil

Only place geologic column exists is in the text book

No erosion marks between layers

Did not rain for millions of years?

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polystrate fossils found through multiple layers

Minerals have hardness between 1 and 10

1 talc - softest material

3 finger nail

10 diamond - hardest material

Circular reasoning

1830 derived age of layers based on portions of living and extinct mollusk shells in the layer.

Assumed evolution happened to get results

Encyclopedia Britannica agrees that dating is circular

archaeologist - 0-1000 years old

anthropologist - 1000 - 1,000,000 years old

Radiometric dating can not be done without first using index fossil to determine age

Circular reasoning can be dealt with in the following ways

3. Ignore it - it is not the concern of the public

4. Deny it - Call out the law of evolution

5. Admit it

6. Avoid it by pragmatic reasoning

Limestone appears multiple times in the geologic column

How can you tell how old it is?

By the index fossil

They think Trilobite is a good index fossil for 600MY

Fossilized Trilobite smashed by shoe

1974 Science News

Trilobites eye is the most complex eye structure ever - 16000 lenses - can see in every direction

Trilobites roll up when scared or naturally roll up when dieing

Found fossilized in all positions including half rolled - covered very quickly

Graptolite - New York State fossil

410 MY old

in 1995 found some in South Pacific

they could be in any rock layer

Lobbed fin Fish

Short arm then fin

Index fossil for 325 to 410 MY old rock

1938 found in fish market

Coelacanth - Indian ocean - Madagascar

It survived 300 million years.

Won't admit geologic column is wrong

18MY old leaves found still green

Readers digest Mysteries of the Unexplained

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Toads that jump out of lumps of coal
France blasting a tunnel through a mountain
Pterodactyl 10'9" wing span
leathery skin
squawked and died
perfect imprint of it on both sides of the rock
many toads and lizards can stay dormant for years

Petrified trees are found standing up through multiple layers of rock all over the world
many of the layers are less than 500 years old
short roots - ripped out of ground
some found in coal
top petrified - bottom coalified
sometimes found upside down

1800's more machines started to be invented
what used to take 3 weeks to harvest can now be done in 3 hours
world becoming more prosperous
When things are good people tend to go away from God
Lyell tells them rock layers are million's of years old
Lyell influenced Charles Darwin who was straight out of bible college
Lyell's book Principals of Geology was written in 1830
Darwin took his voyage in 1831