Cheatography

Earth Science Cheat Sheet

by Eunicornz via cheatography.com/33171/cs/10321/

② Relative Age Dating

Principle of Superposition: comparison of dates

Principle of Lateral Continuity all rock formations thin out at the ends to have a lenticular shape

Relative Age:Uncomformities

Nonthe boundary comfobetween igneous/mrmity etamorphic and sedimentary Angular part of the formation is tilted but it is covered by a flat deposit discom there is a gap in time formity between sedimentary layers

There are three types of unconformities that you can observe in rock formations

Minerals vs Non-Minerals

Is it inorganic: not inorganic? made of living things or the remains of living things naturally: forms Does it occur and exists in nature naturally ls it a A crystalline solid Crystalline is whe its atoms Solid are arranged inan orderly way Consistent for each atom of chem. this, there are atom of this comp. If yes to all 4 questions, it is a

mineral. Otherwise, it is not a

mineral.

Silicates and Non-Silicates

Silicates

Silicone + Oxygen + fledspar, potassium, or sodium is a silicate

Feldspar is the most common case of silicates

96% of the 50% of the Earth's crust is silicates are composed of Feldspar and Silicates quartz

Non-silicates

non-silicates are basically the rest of the minerals that are not silicates

They make up the rest 4% of the Earth's crust

They are split into 6 groups

Carbonates CO3 Halides Cl or F + Na,K, or Ca Native uncombined elements Oxides O + anything but Si Sulfates SO 4 Sulfides S + I +anything else

Earthquakes

How stress builds up at earthqfault to the point uakes where it is locked when pressure gets start: too great, the rocks slip and create the earthquake Elastic like a slinky, it rebound deforms then settles back to its original spot

Seismic Waves

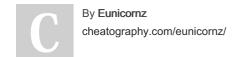
Earthquakes (cont)

travels through the **Body** Wave middle of the bodies P-waves can go through solids, liquids, and gases and faster than S-waves S-waves can only go through solids and slower than P-waves travels along the Surface Wave surface of the body elliptical rolling Rayleigh Waves motions Love side-to-side Waves Parts of the Earth Shadow

where body waves

can't reach

zones



Not published yet. Last updated 9th January, 2017. Page 1 of 1. Sponsored by **ApolloPad.com**Everyone has a novel in them. Finish
Yours!
https://apollopad.com