Dating the Past hubbook husern Relative dating by 1. Stratugraphy hatis possible to determine you went took place before a ofter a certain geologicage 2. Weathering an example hiagrat alls is culting north bruck of an approximate nate

of 2 feet a year. The total distance Cest back divided by 2 gives is-Timated time since the Great hakes started draining toroards the northeast.

3. Evolution. Apsolute Dating 1. The Ring 2 Varias - glacial deposito

Radio actually Dating the Past

= Radio acture elements decay at known rates. These are expressed in "half liver", meaning That half the elements actuating is expended in a certain priced. I he rate of depletiai is measurable. The length of "half lives" are as follows ".

> Carbon 14 - is 5.720 years Radim . 1590 4 Unanum 11 - 170,000 4

Rubidiin 60 Billion 12

astronomial nethods a. Variation in the earther orbit during 92,000 years ayolo offects quological + ecological processes in ways which wan be

determined and used as relateur datuig. b. Changes in the shape of the earths orbit every

26,000 years c. Changes in the earths axis wery 20,000 years. Cell three processing make for radical elimatic changes which affect all lefe and help to date geologic ages. What's in it for you?



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