

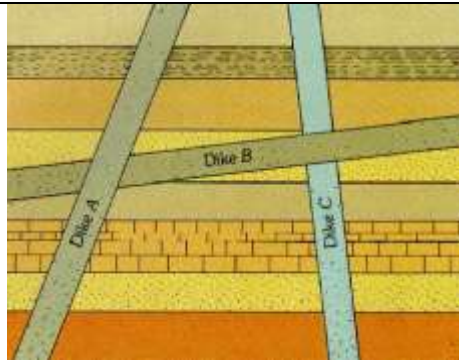
# GEOLOGIC RECORD NOTES

Uniformitarianism =

Relative Dating =

Superposition =

Cross-cutting =



Index Fossils =



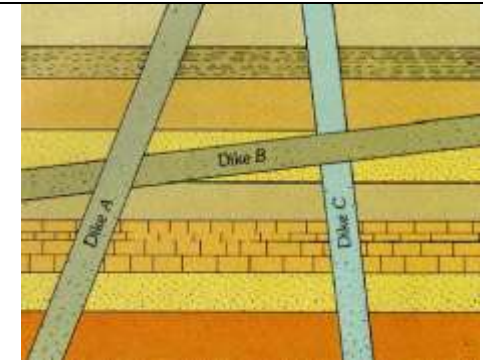
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Absolute Dating =

Isotope		Half-life of parent (years)	Useful range (years)
Parent	Daughter		
Carbon 14	Nitrogen 14	5,730	100 - 30,000
Potassium 40	Argon 40	1.3 billion	100,000 - 4.5 billion
Rubidium 87	Strontium 87	47 billion	10 million - 4.5 billion
Uranium 238	Lead 206	4.5 billion	10 million -
Uranium 235	Lead 207	710 million	4.6 billion

Fossils and rocks/lava can be dated absolutely. Living things use carbon dating and rocks/lava use the other kinds.

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