



and





and



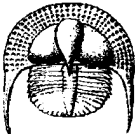


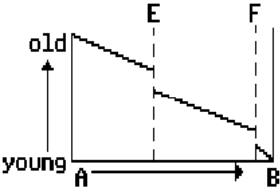
and

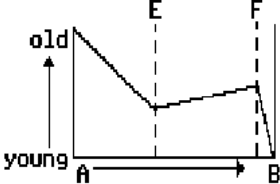


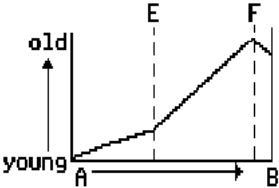


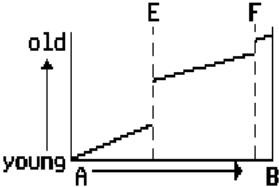
and



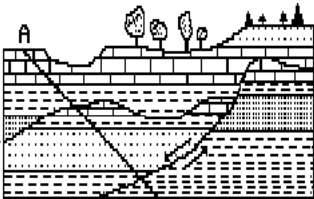




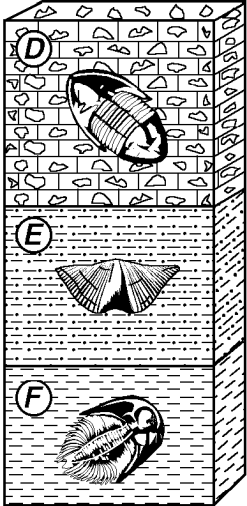
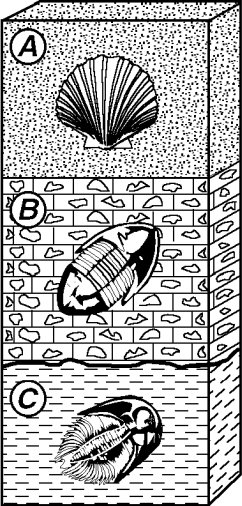




Buried
Erosional
Surface
(E)



Fault (F) B





..... PERMIAN

A

			CARBONIFEROUS				

B

----- DEVONIAN -----

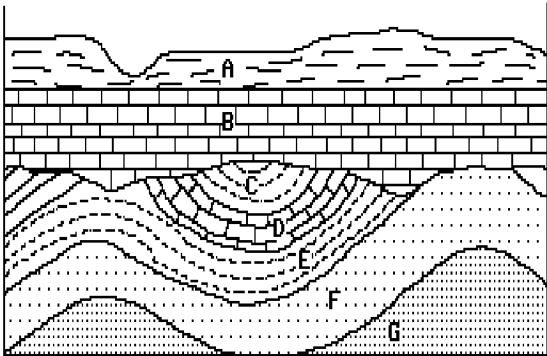
C

..... SILURIAN

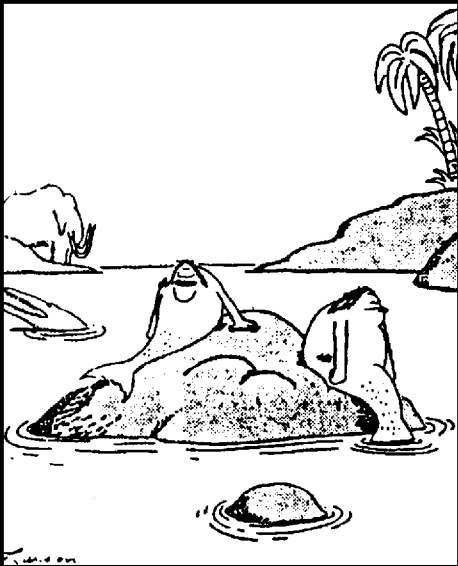
D

----- CAMBRIAN -----

E

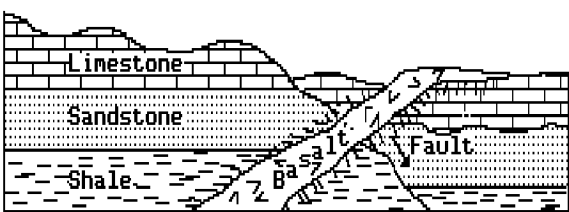


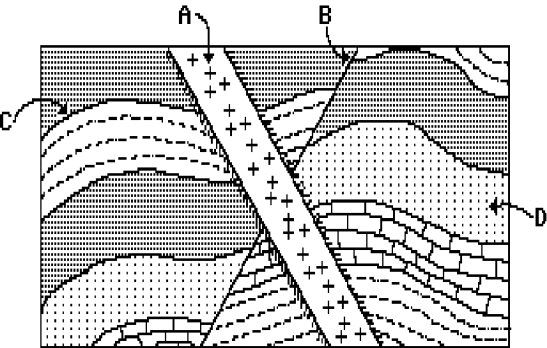
3 kilometers

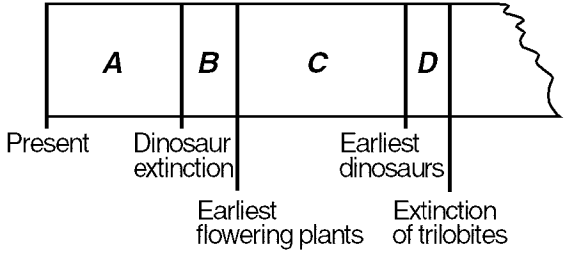


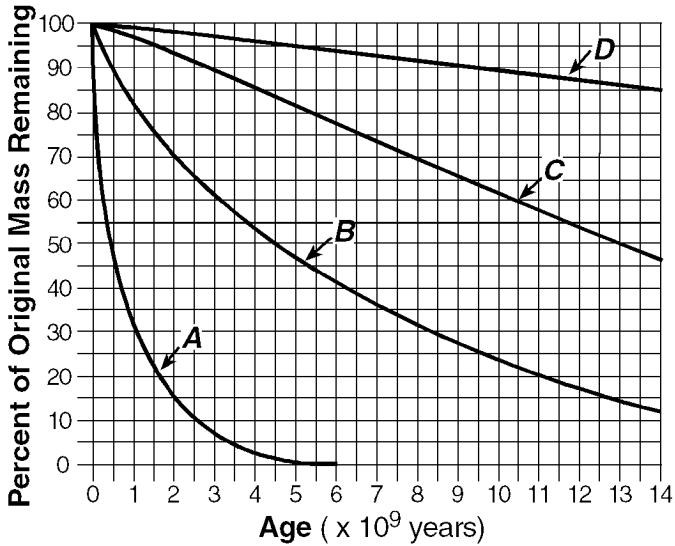
Early Pleistocene mermaids





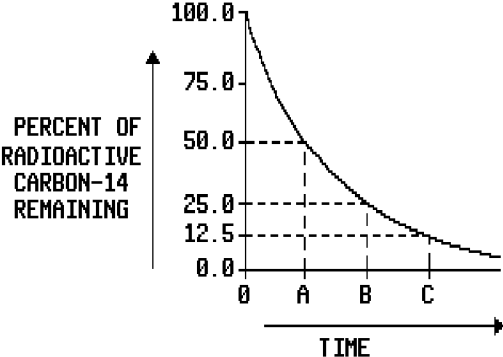


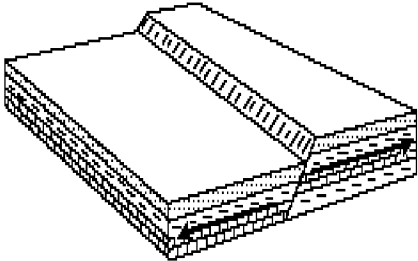


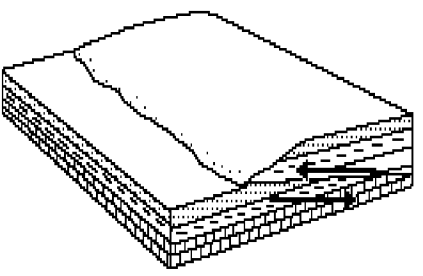


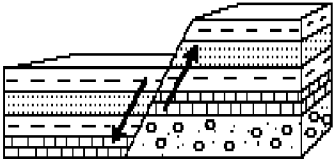


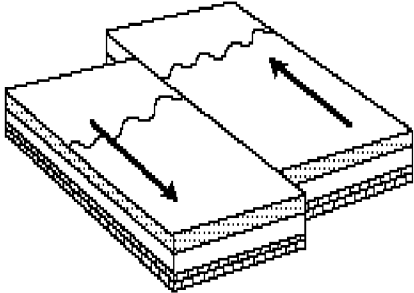
The primitive game of
"Pull the mammoth's tail and run"

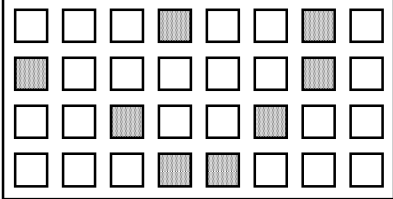




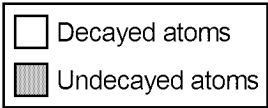


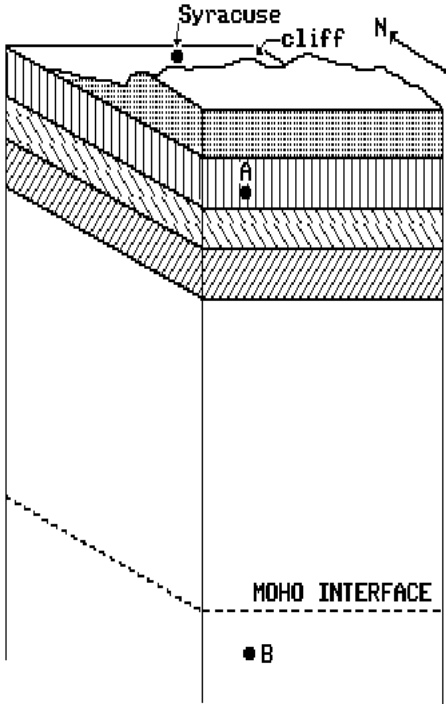


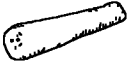


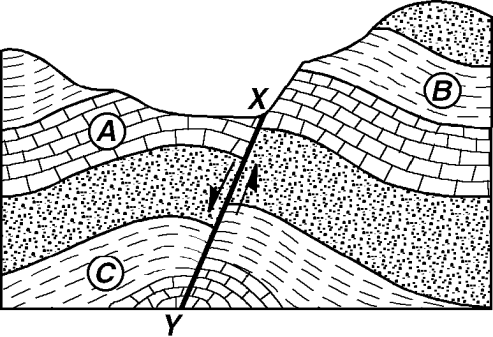


KEY:





Bedrock Age	Index Fossil
Mississippian	 Spirifer
Devonian	 Mucrospirifer
Silurian	 Eospirifer
Ordovician	 Michelinoceras



1 unit of
radioactive U^{238}

4.5
Billion
Years

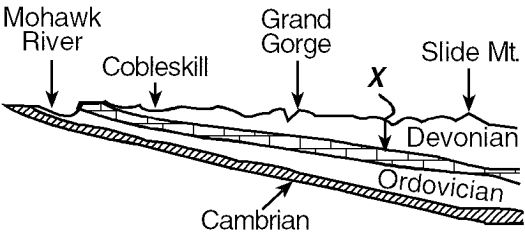


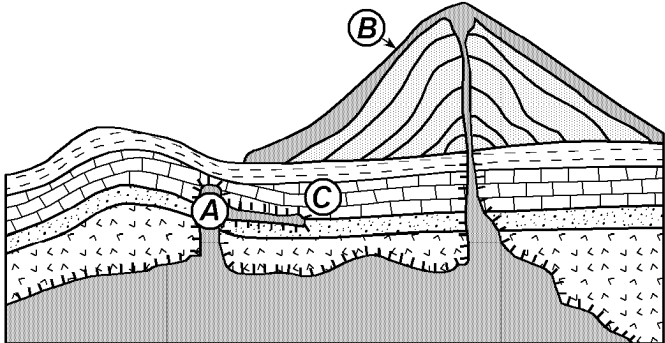
1/2 of original
unit of radioactive
 U^{238} remains

Another
4.5
Billion
Years



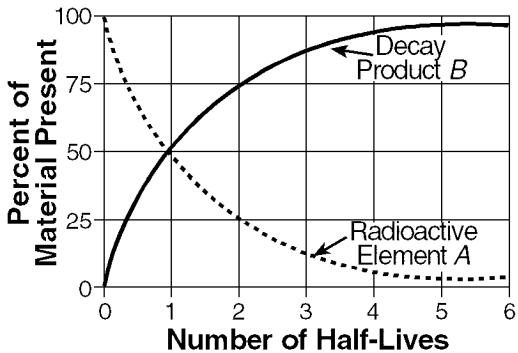
1/4 of original
unit of radioactive
 U^{238} remains

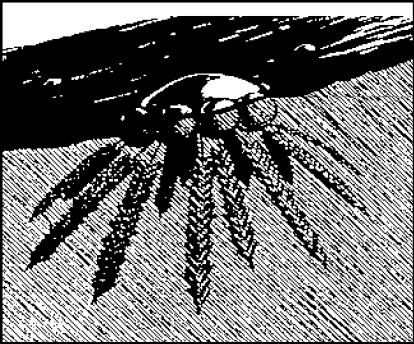




KEY:

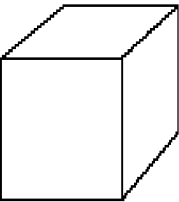
	Igneous rock A and B		Sandstone		Limestone
	Gabbro		Shale		Ash layers
	Contact metamorphism				





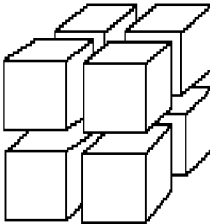
Floating graptolites

FIGURE A

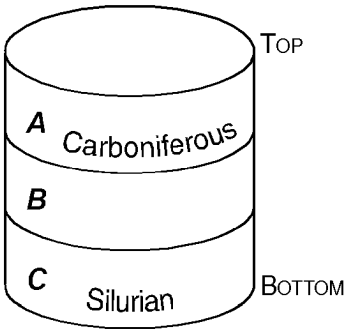


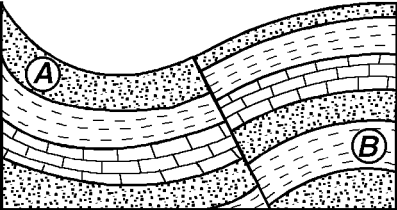
← 2 cm →

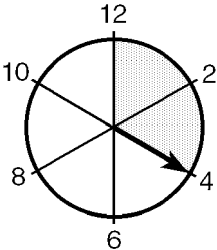
FIGURE B

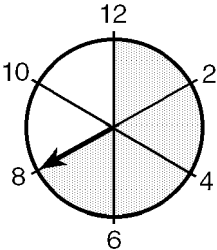


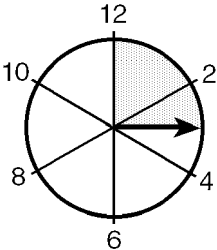
← 1 cm →

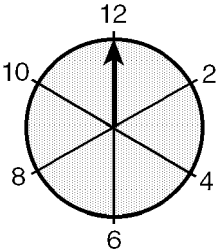


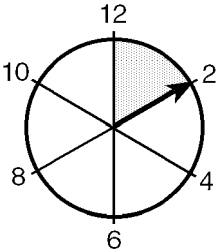


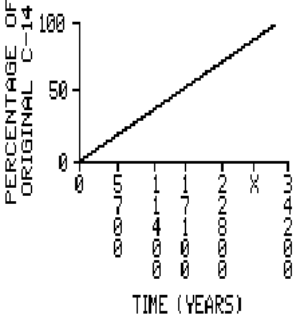












PERCENTAGE OF
ORIGINAL C-14

100

50

0

0

5700

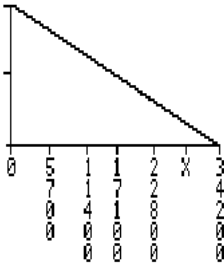
11400

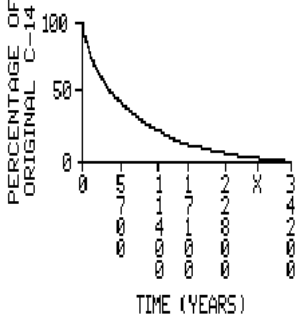
17100

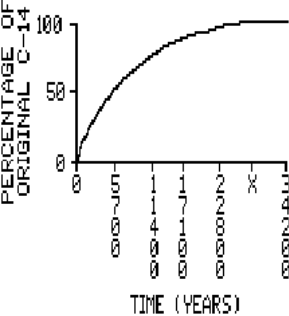
22800

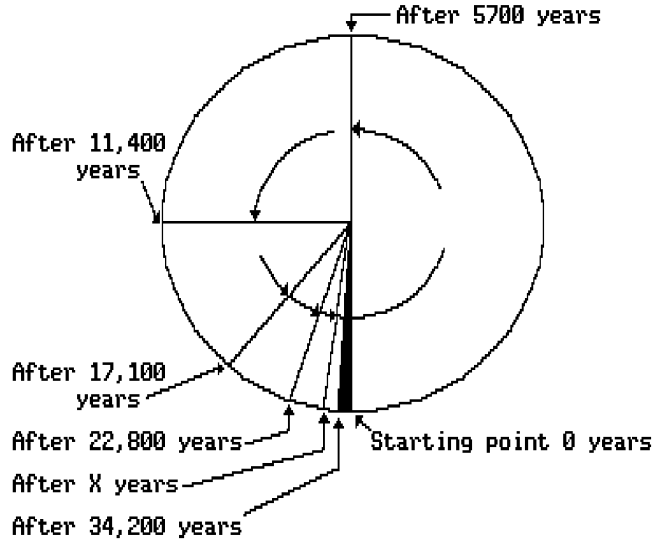
X

34200









RADIOACTIVE DECAY OF C-14

OLDEST



YOUNGEST

OLDEST



YOUNGEST

OLDEST



YOUNGEST

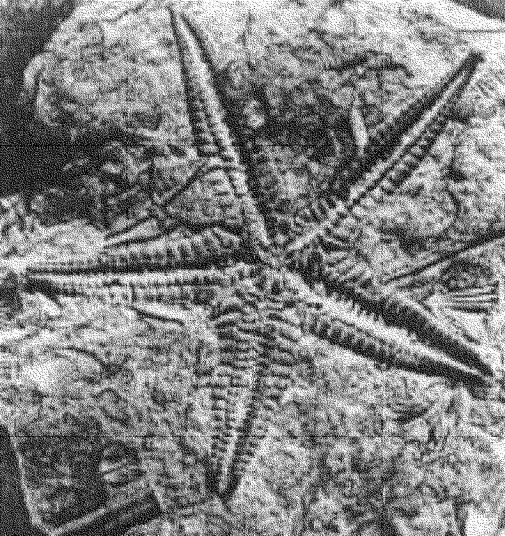


OLDEST



YOUNGEST





0 2 cm

