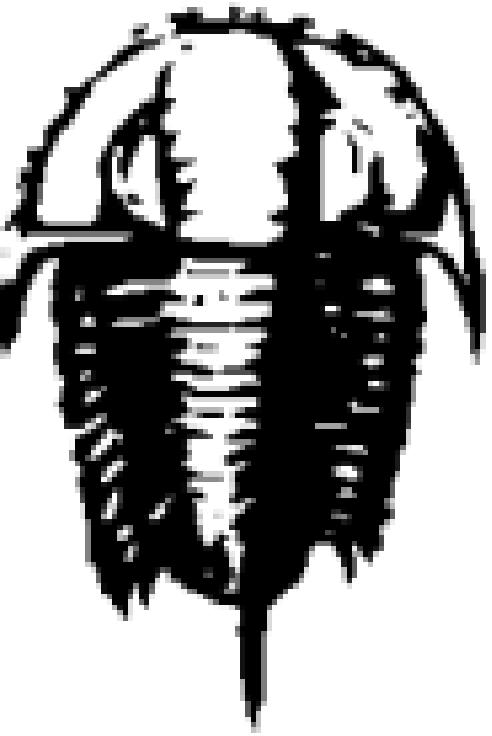
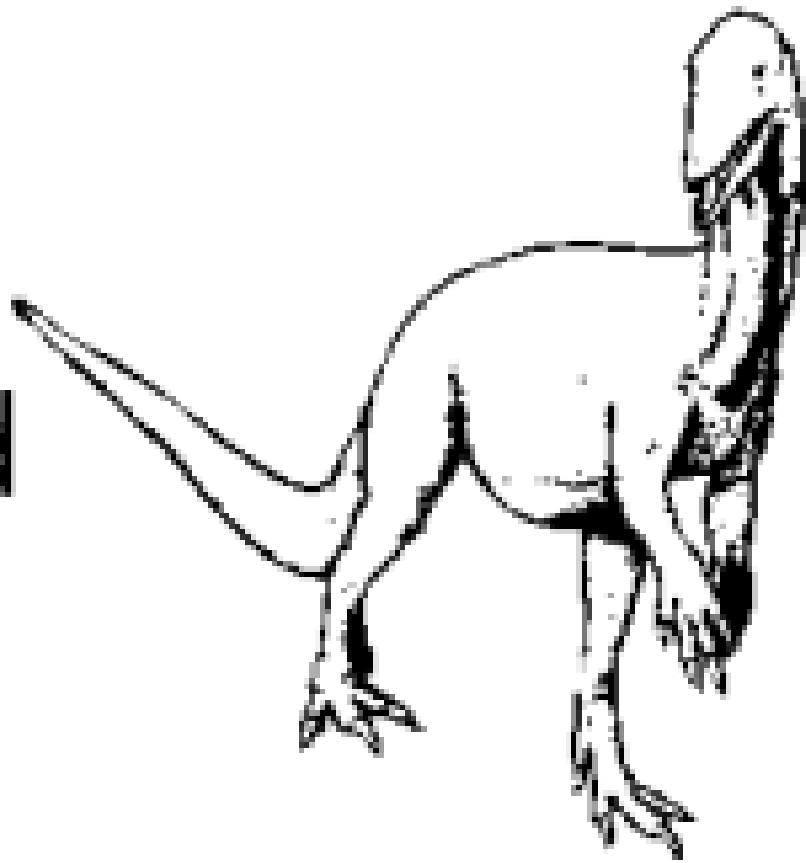


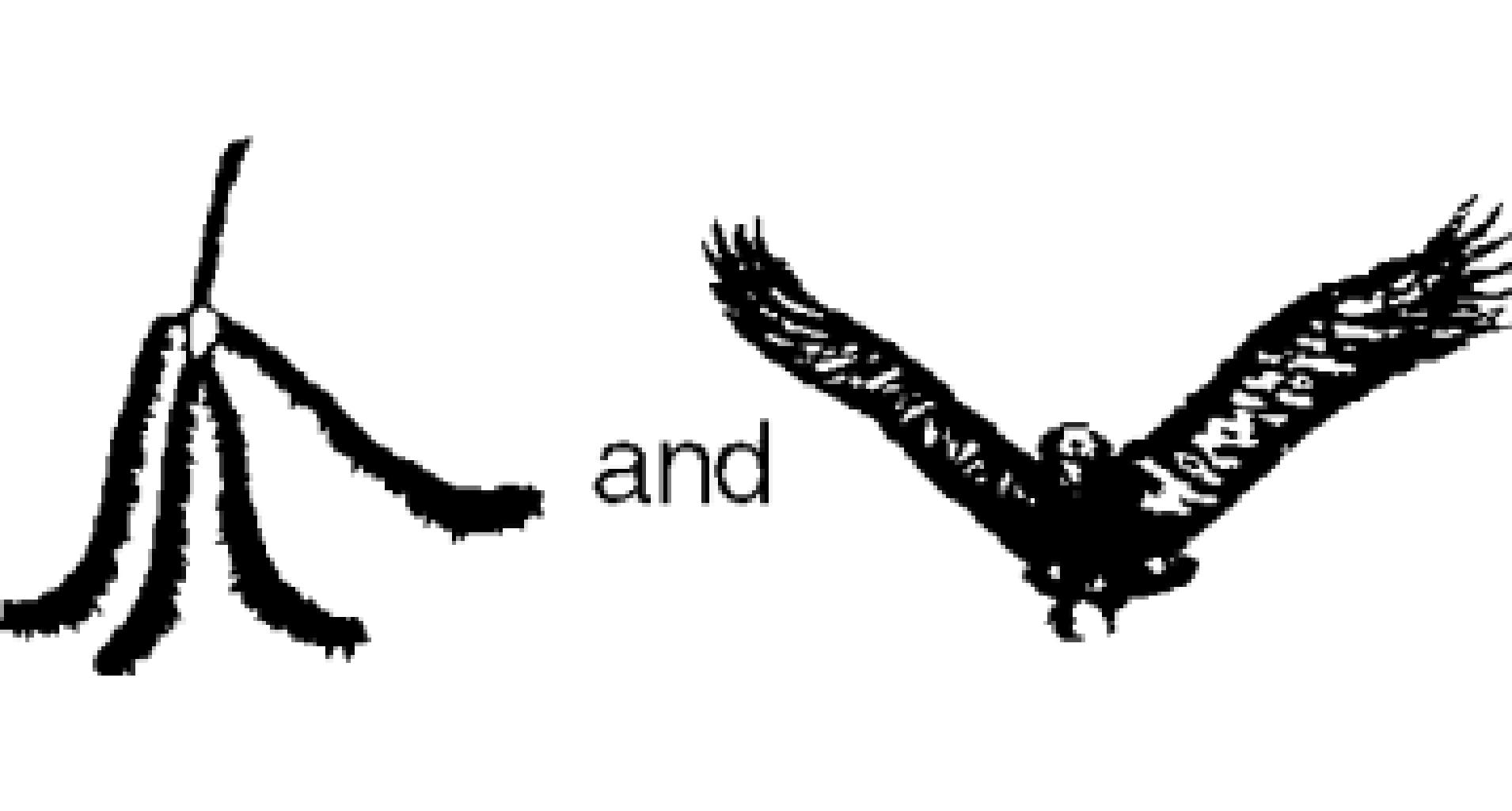
and





and

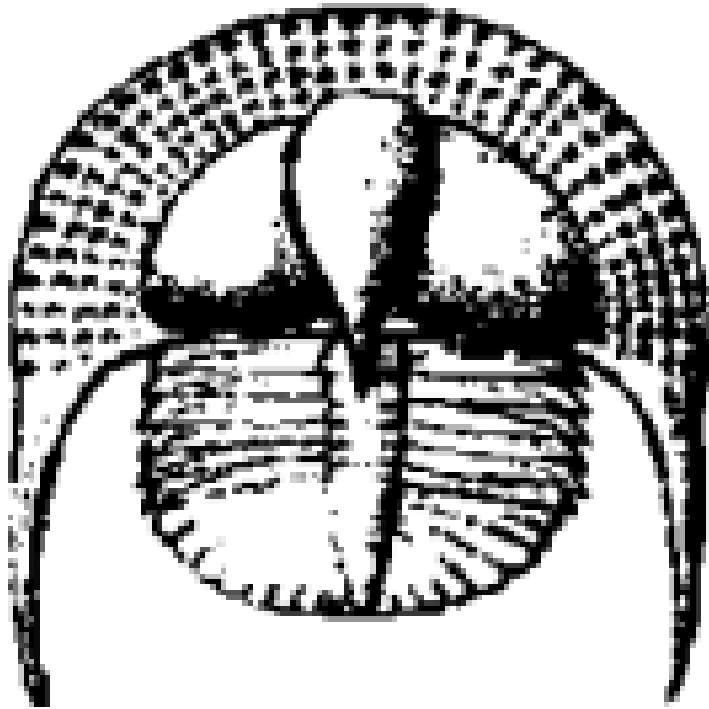


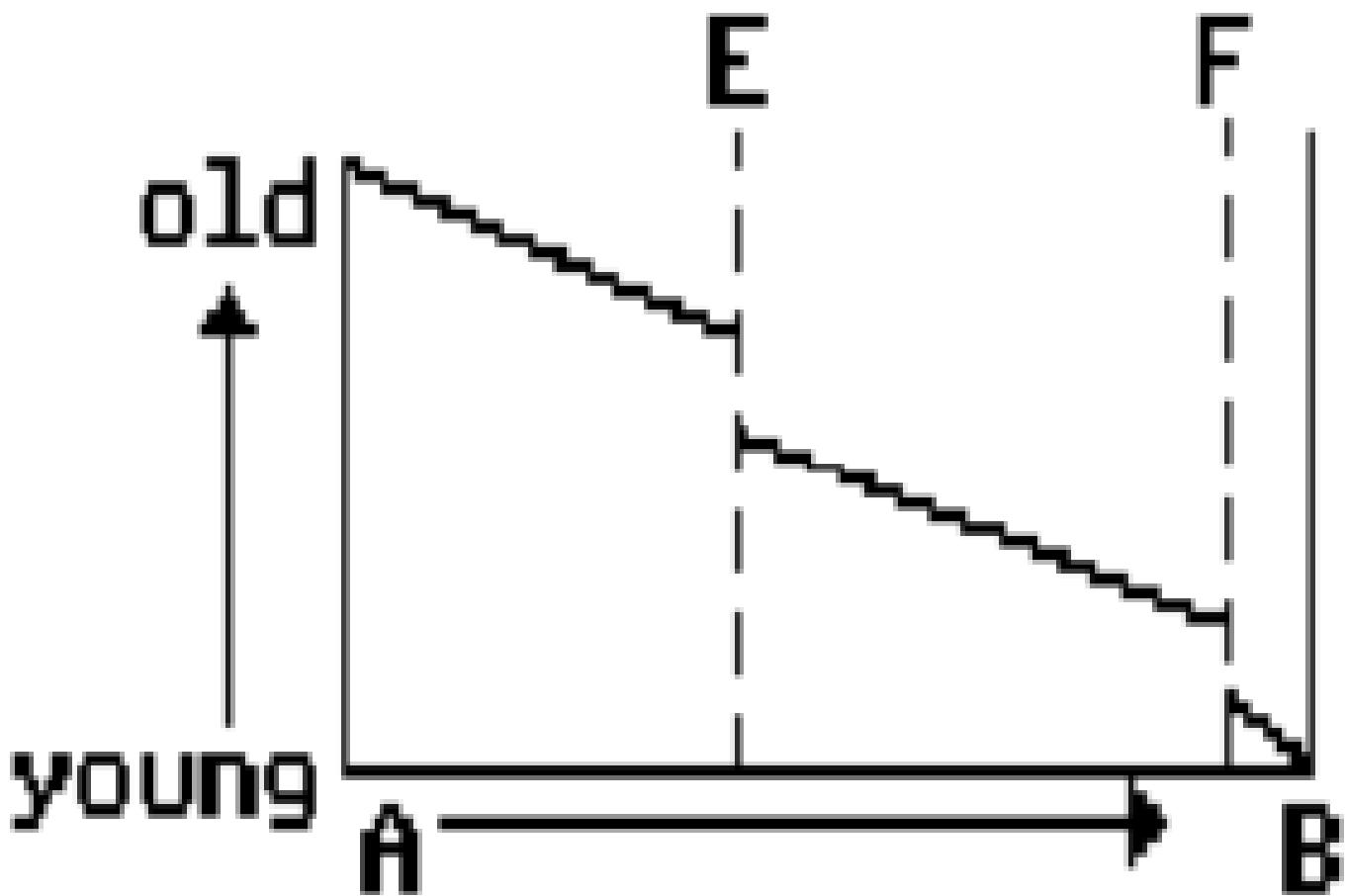


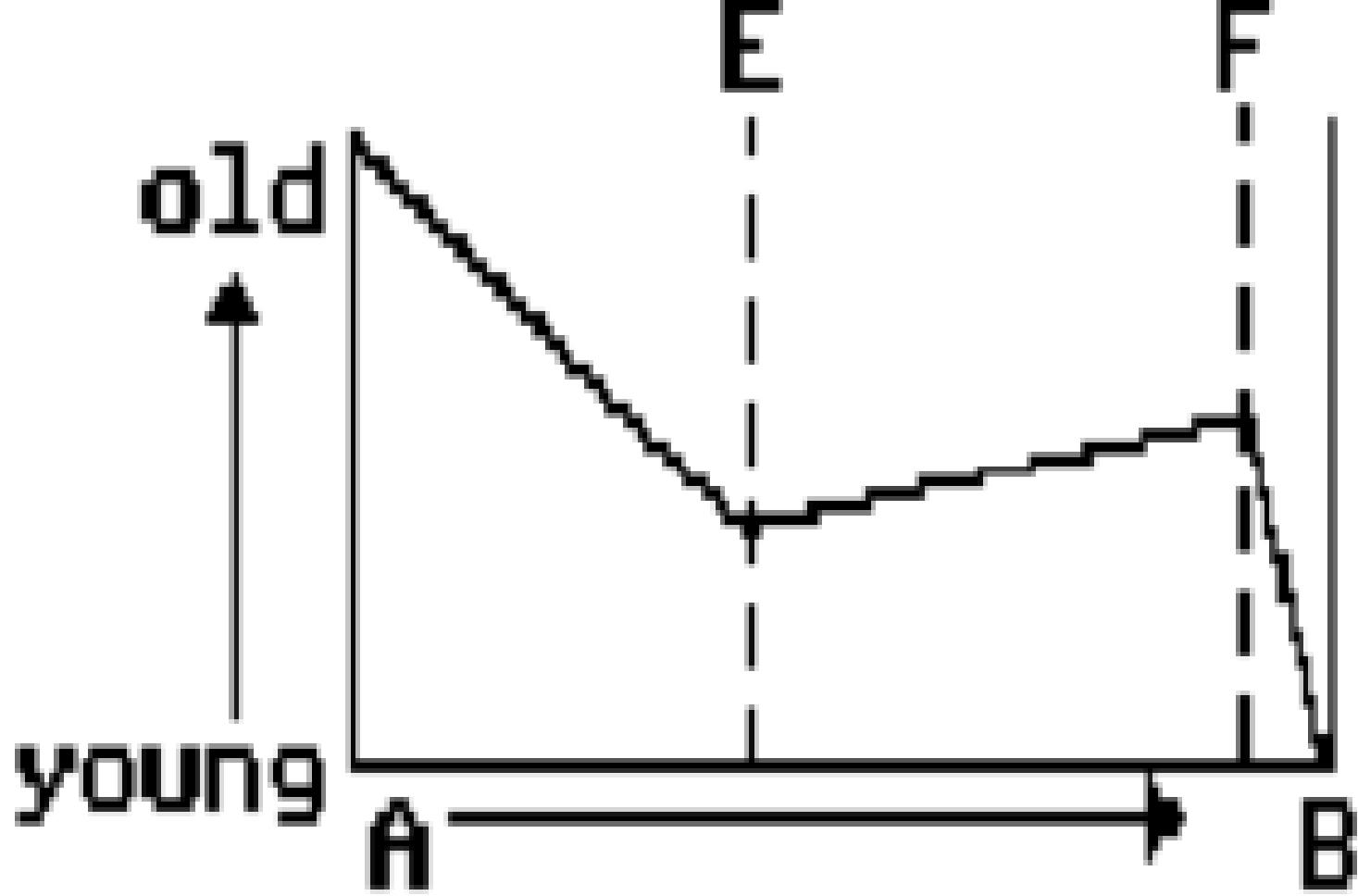
and

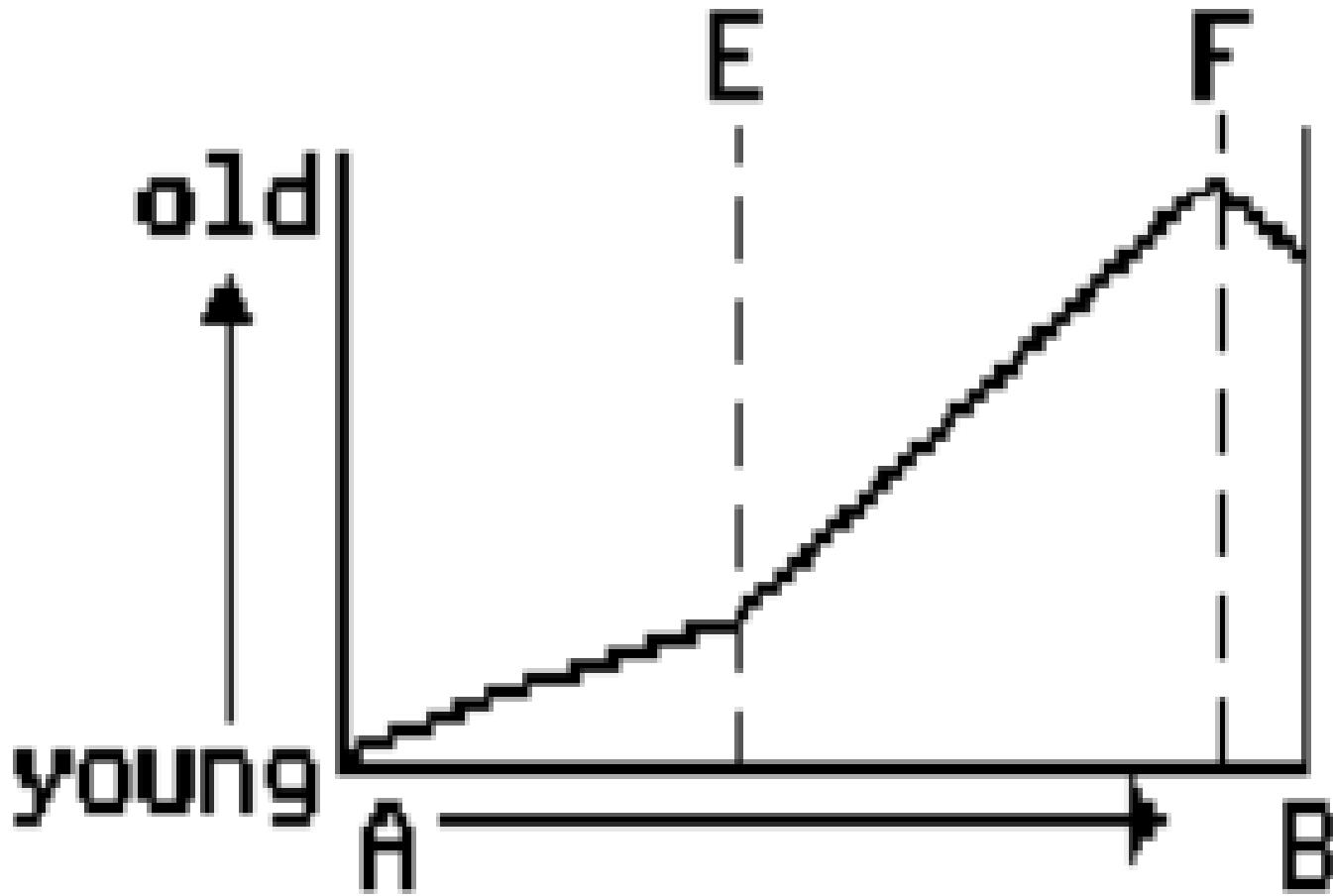


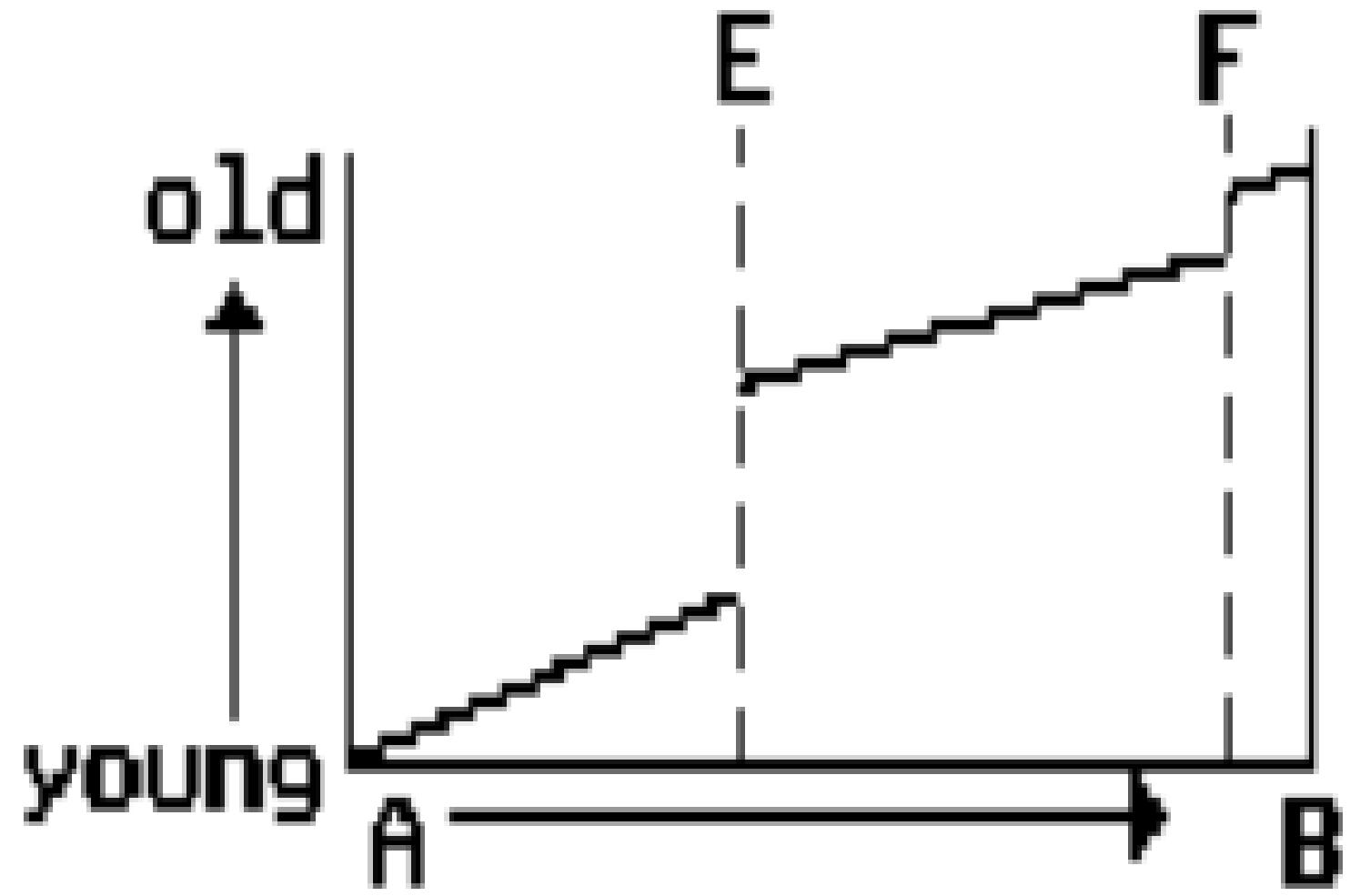
and



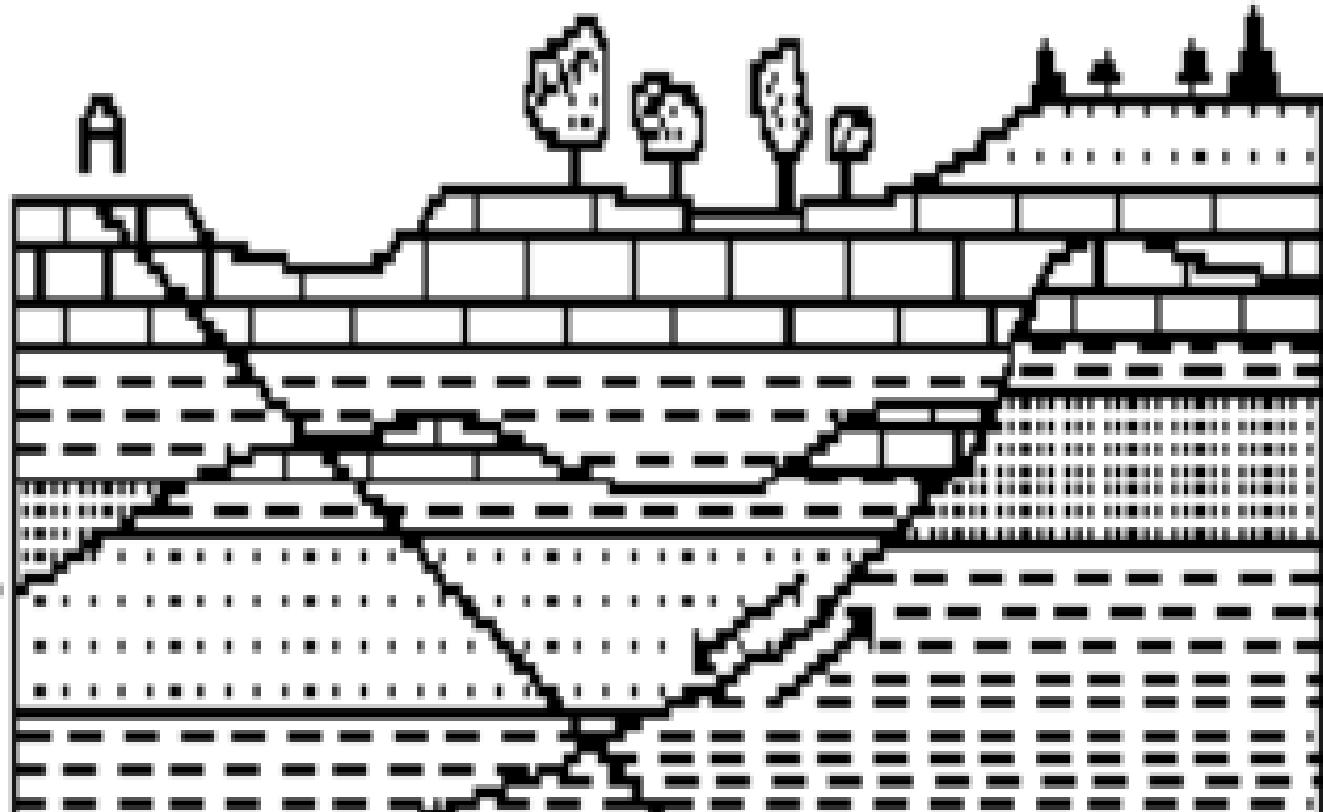




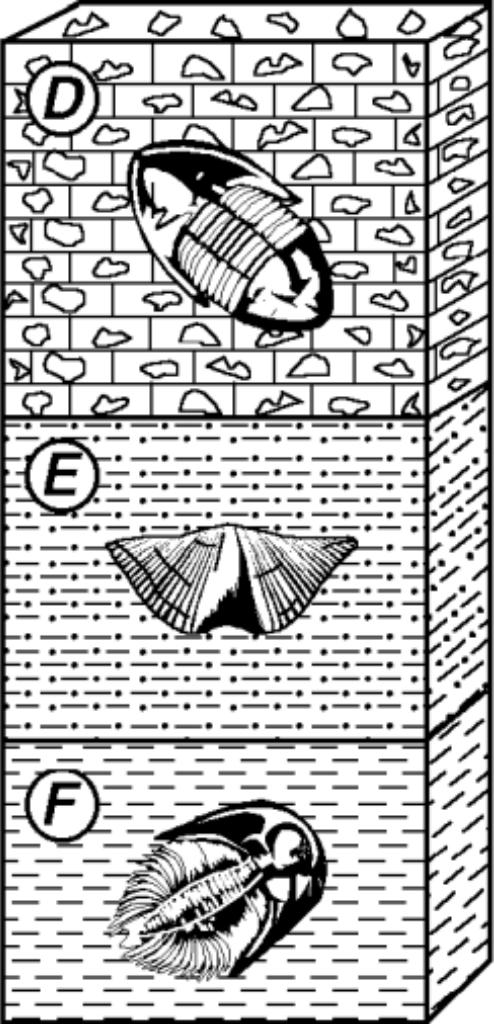
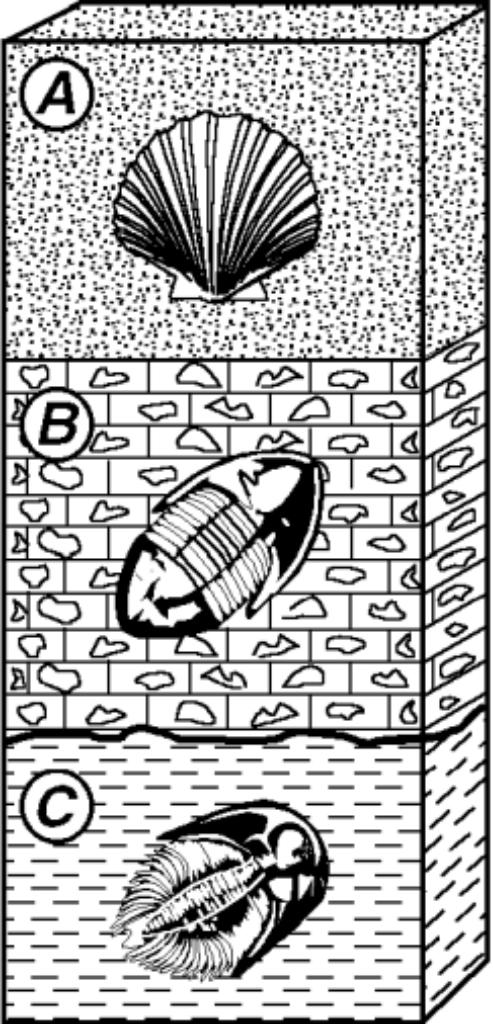




Buried
Erosional
Surface →
(E)



Fault → (F) B





PERMIAN

CARBONIFEROUS

DEVONIAN

SILURIAN

CAMBRIAN

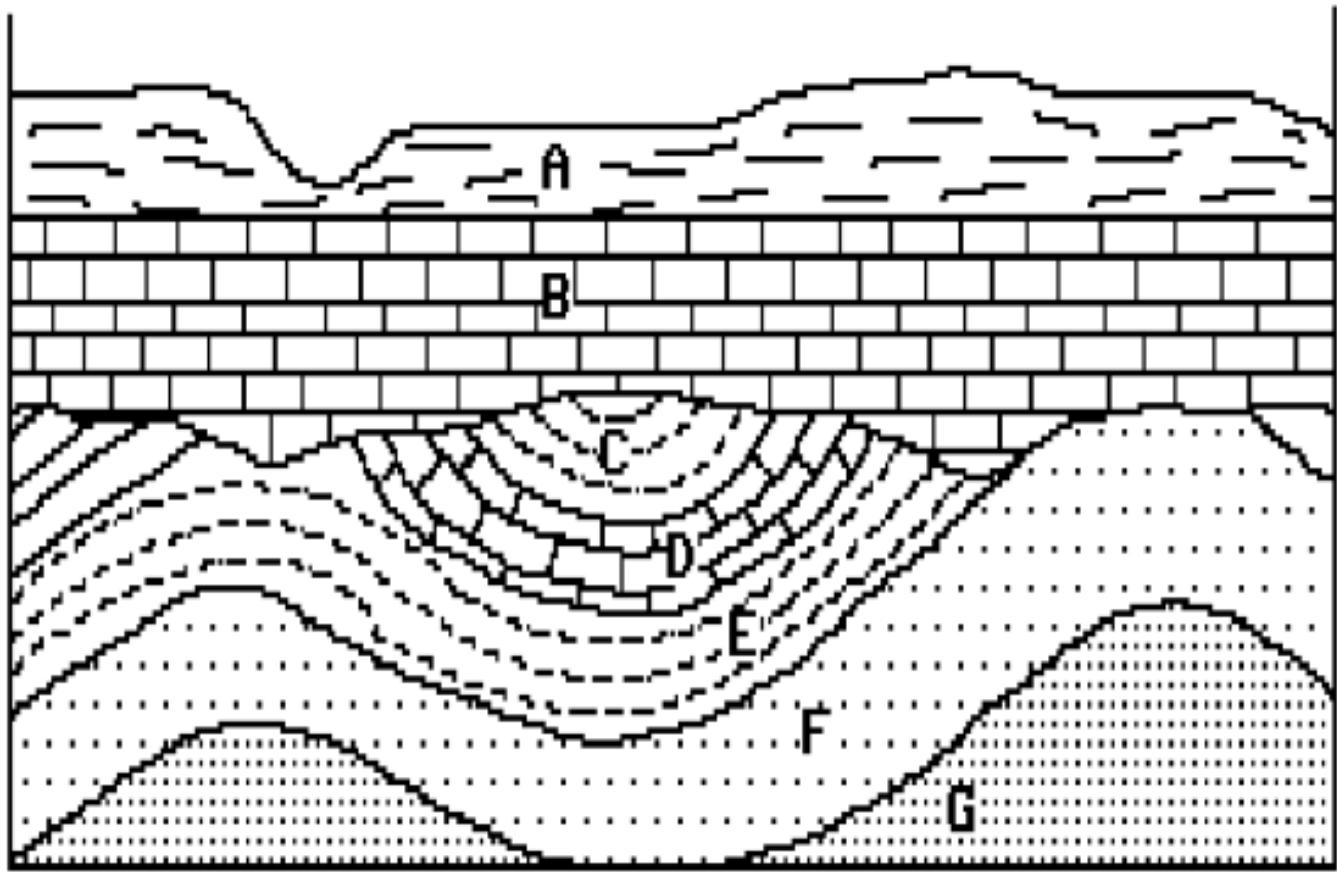
A

B

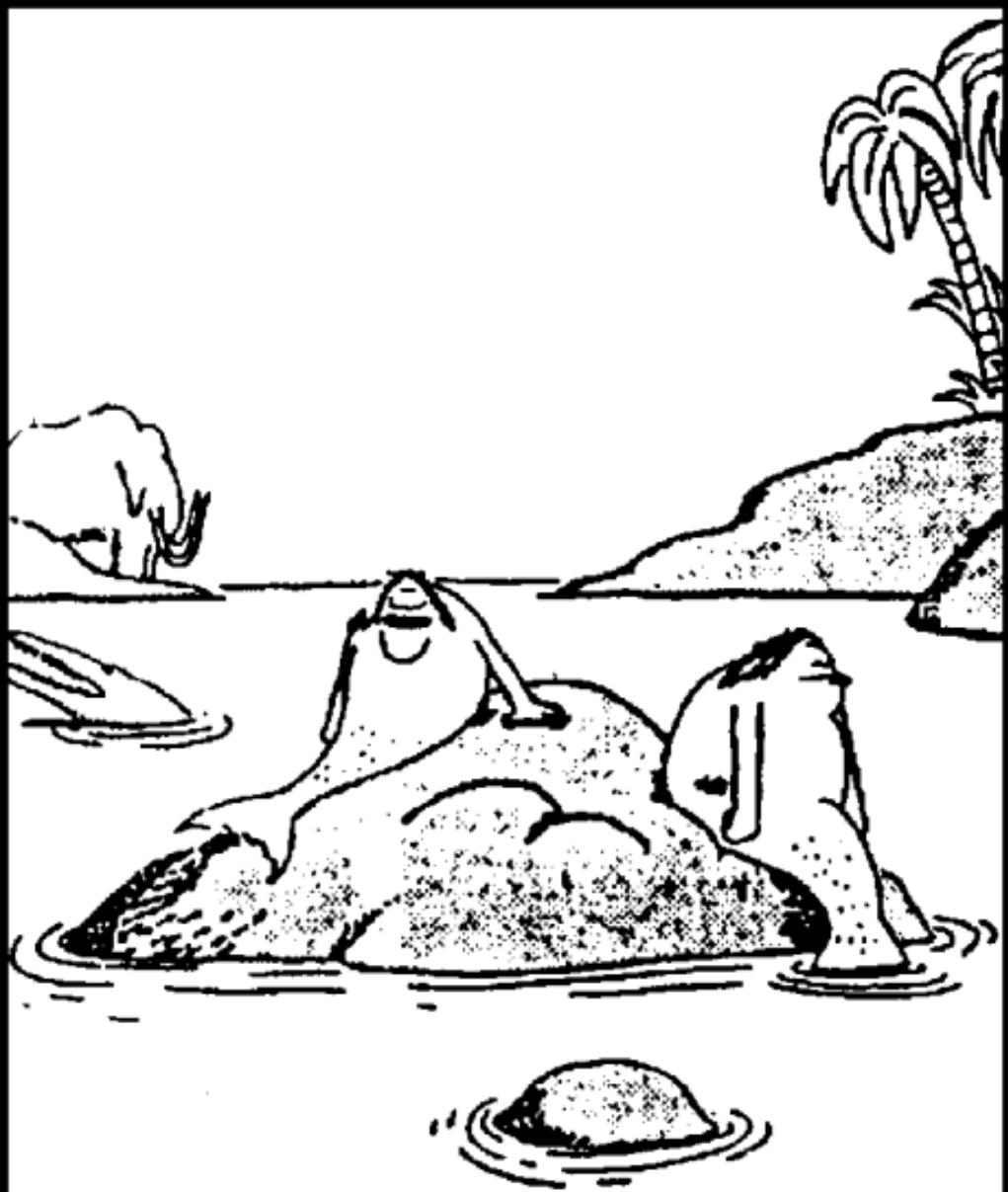
C

D

E



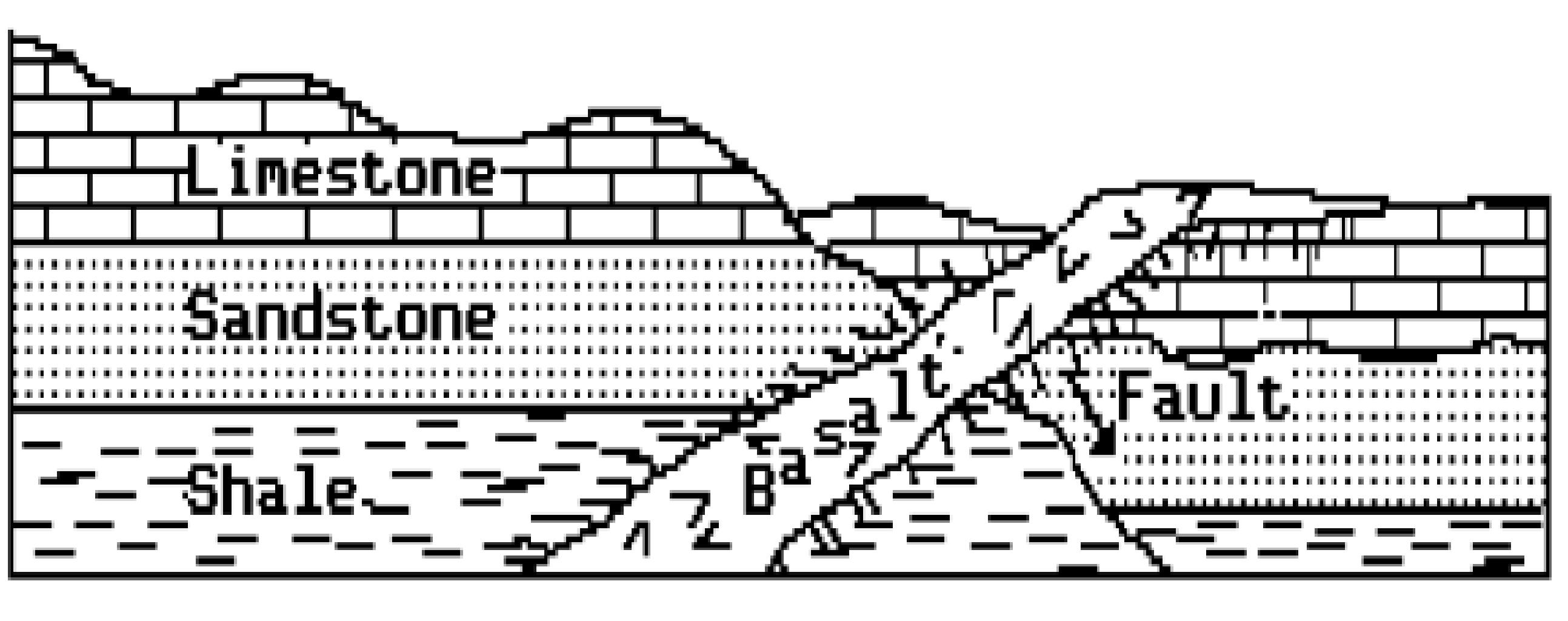
3 kilometers



Early Pleistocene mermaids

Loren





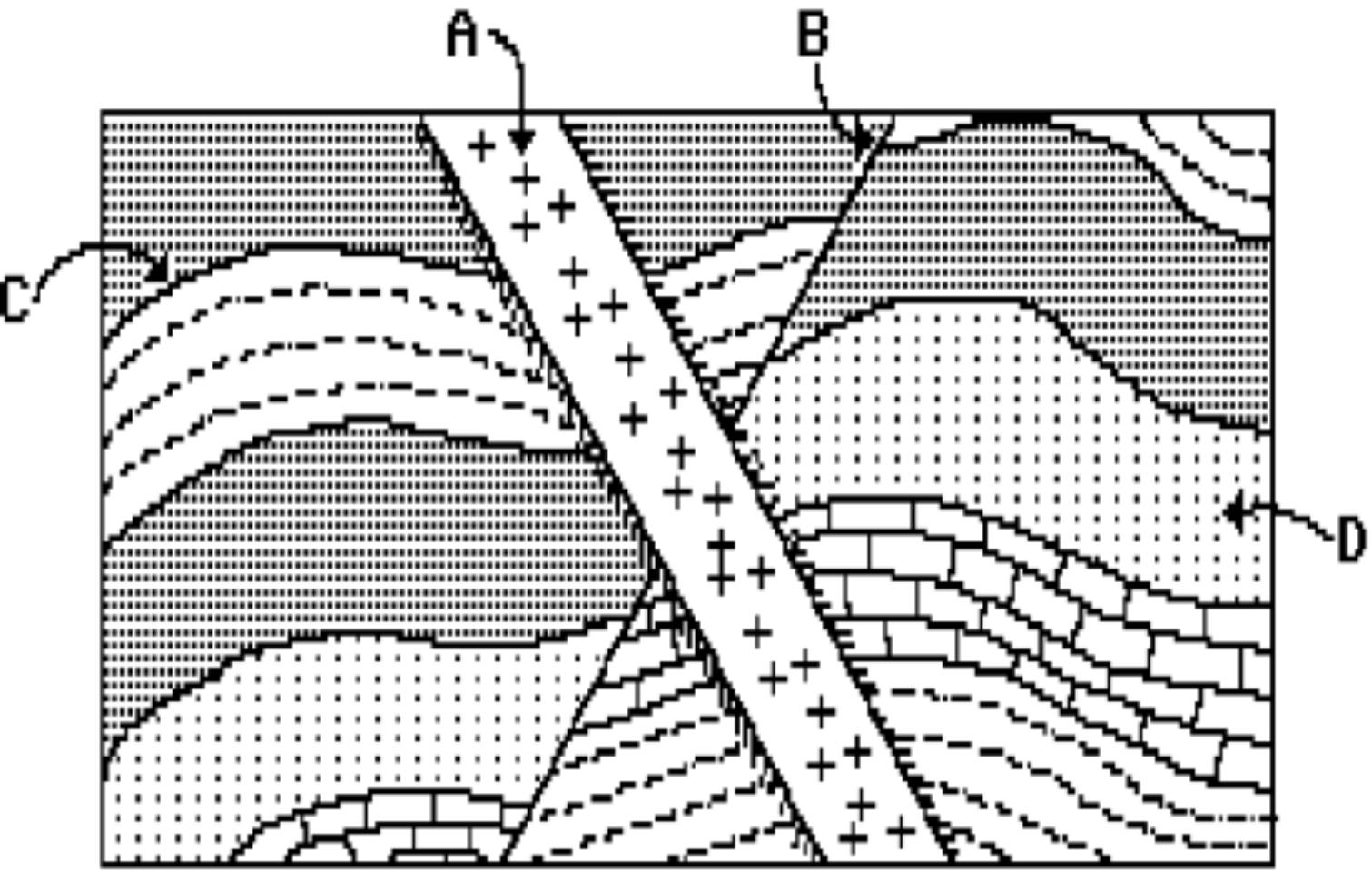
Limestone

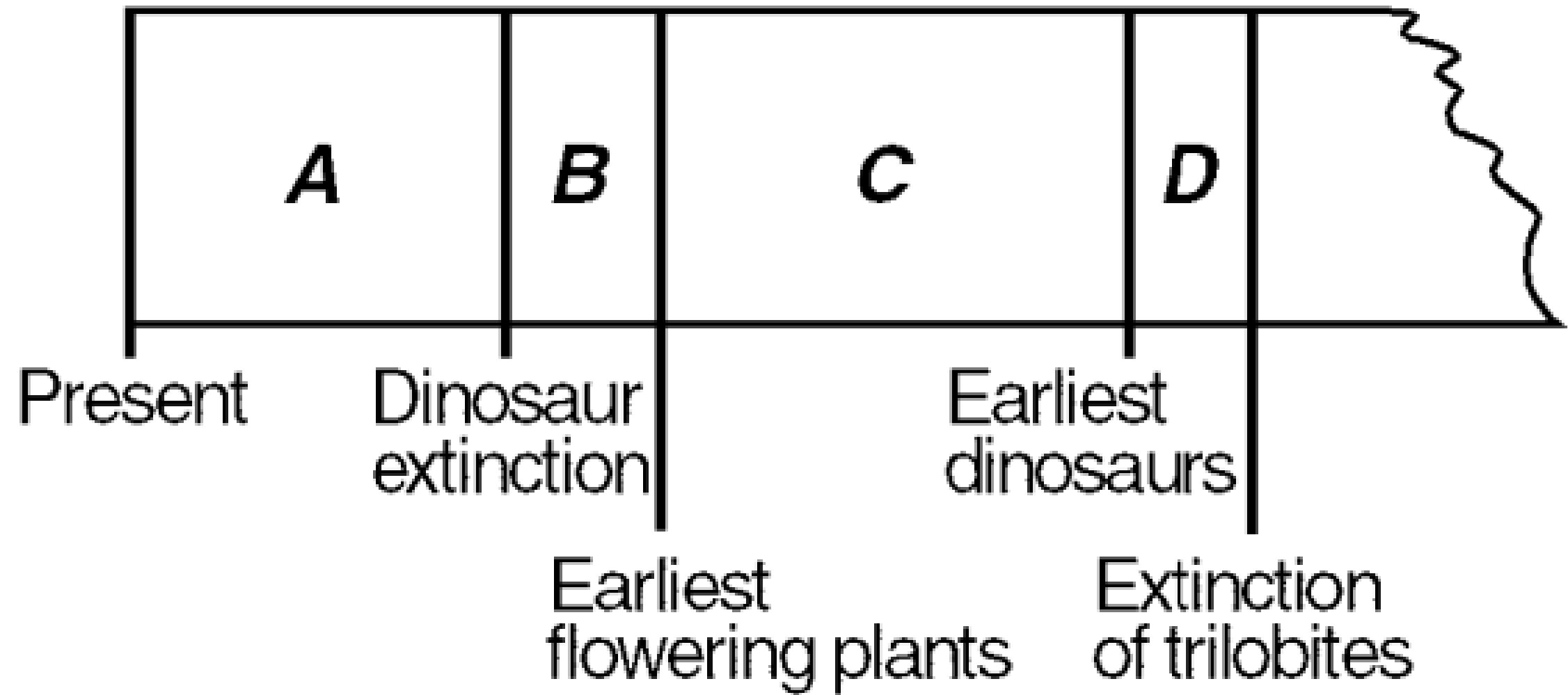
Sandstone

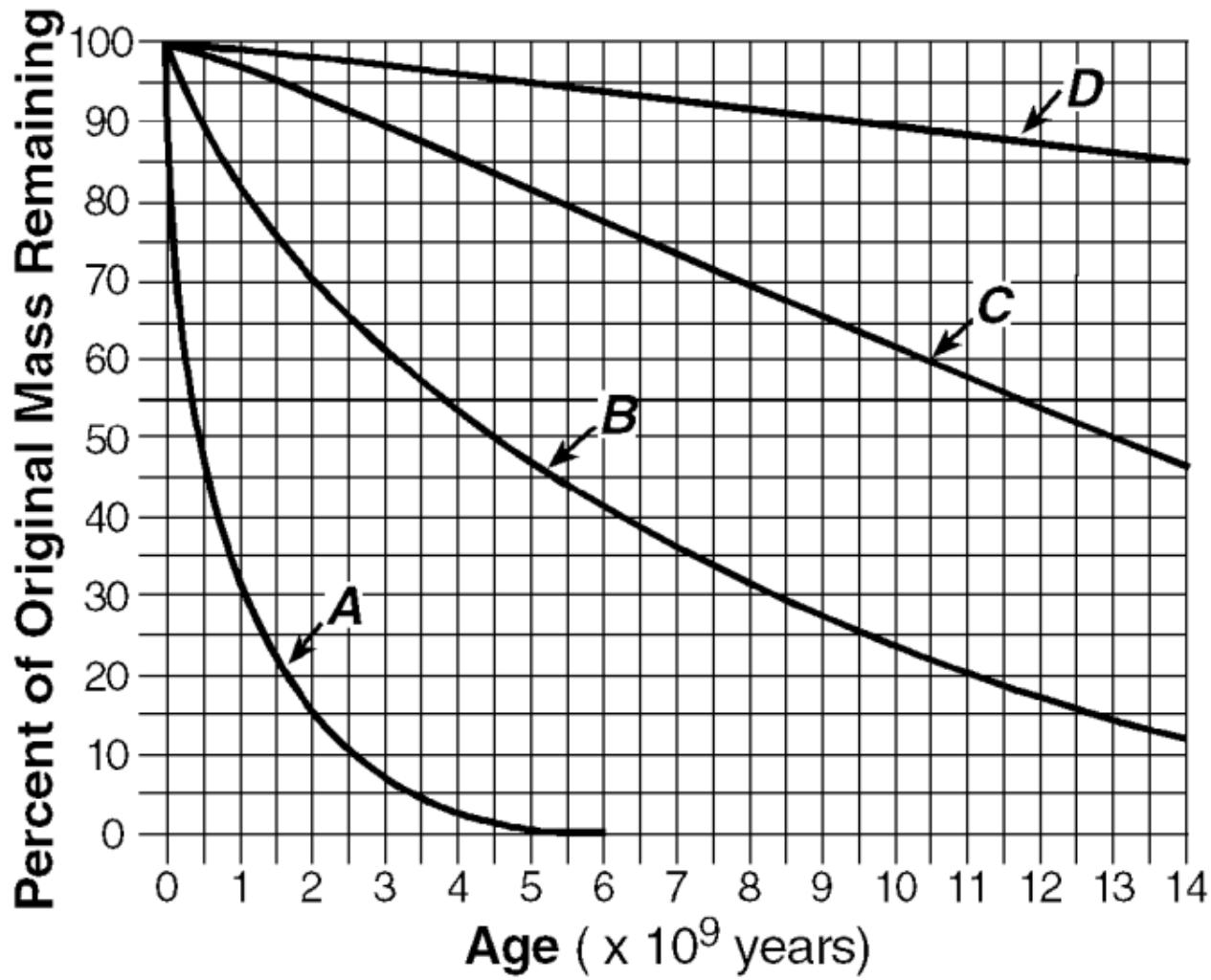
Shale

Basalt

Fault



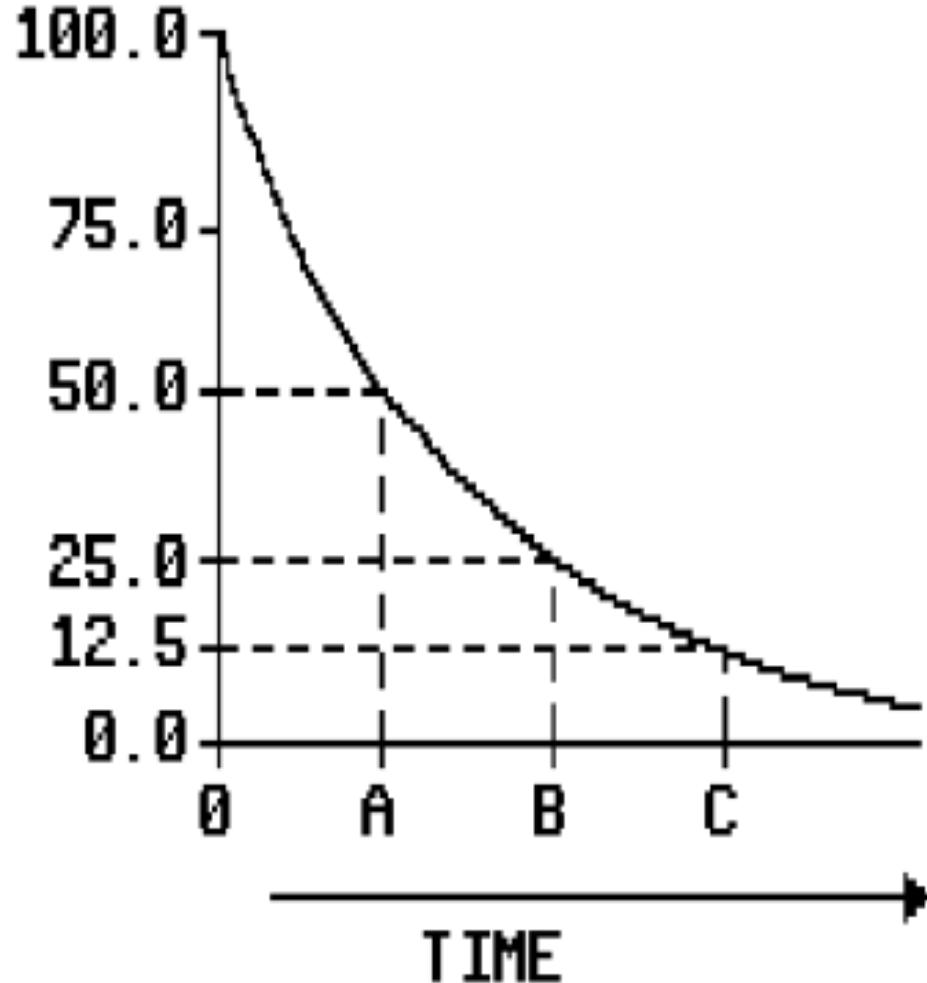


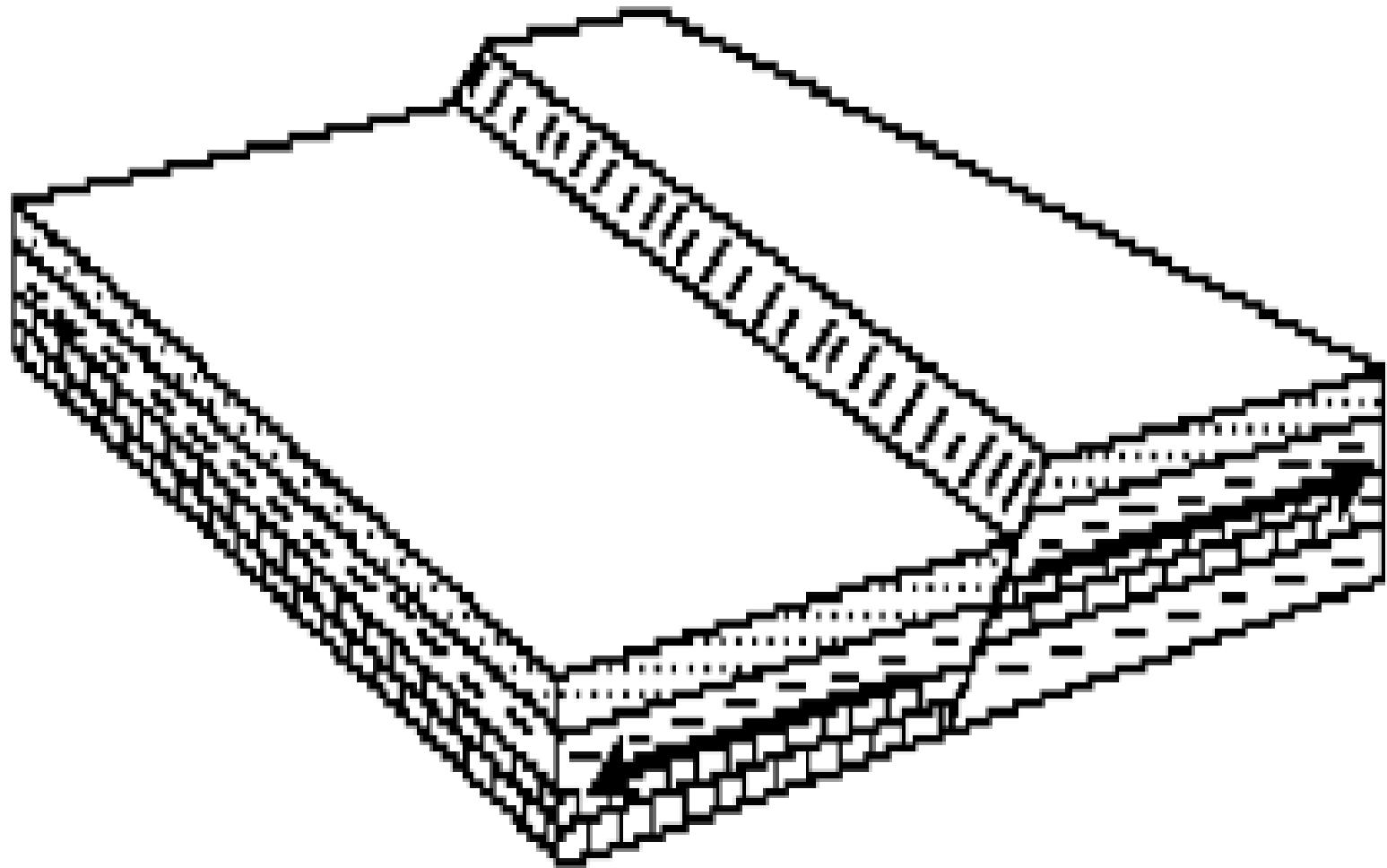


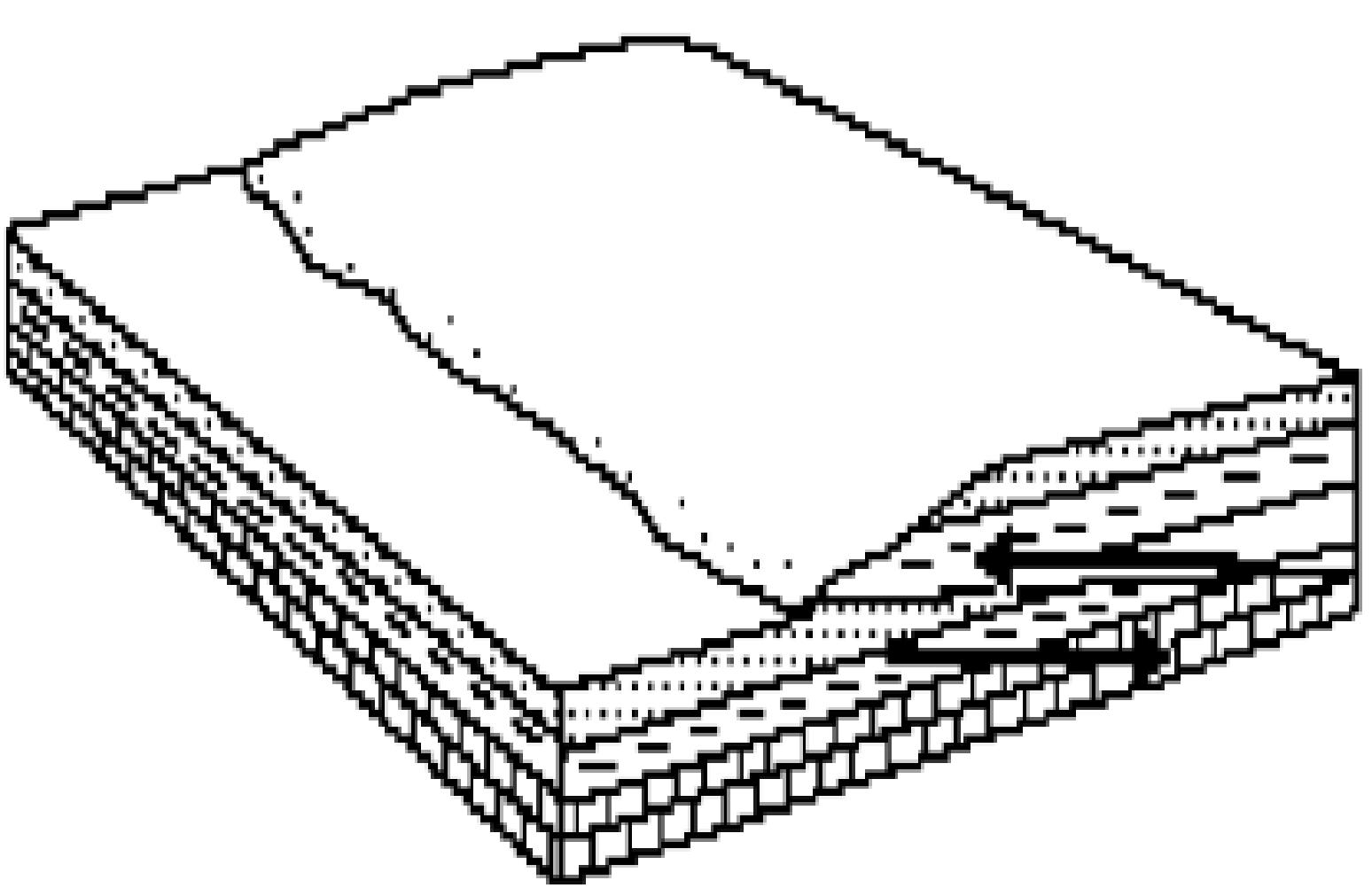


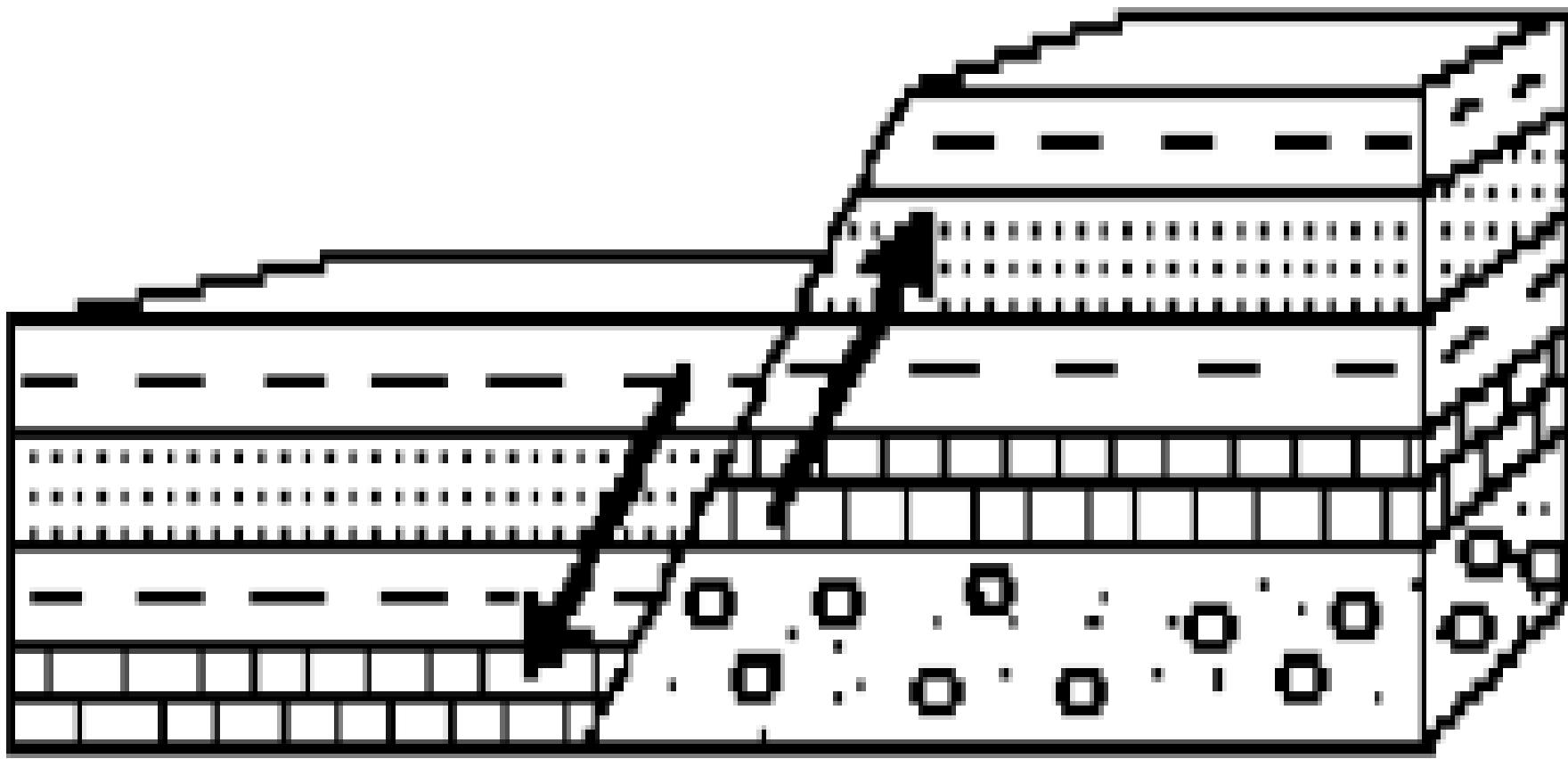
The primitive game of
“Pull the mammoth’s tail and run”

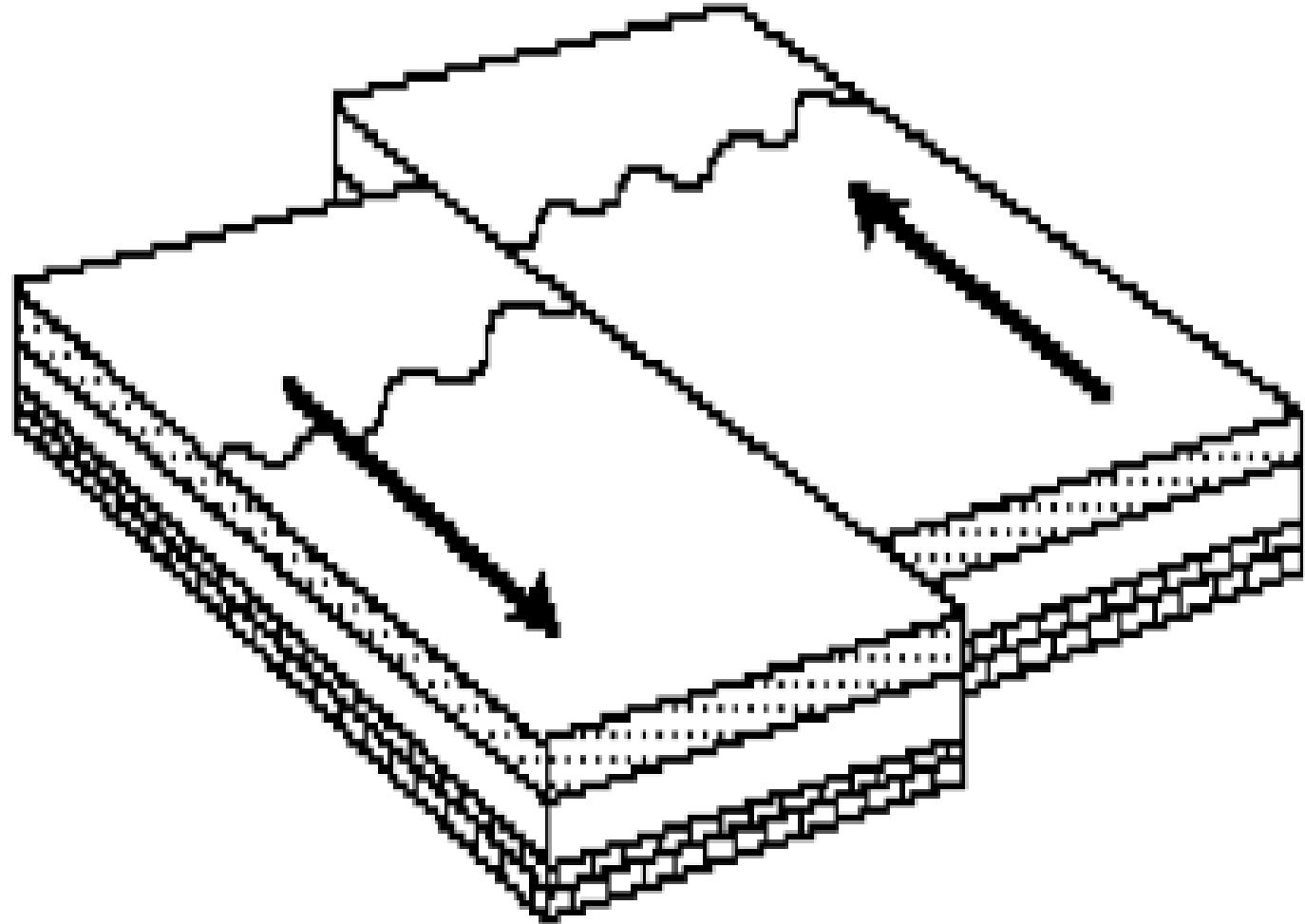
**PERCENT OF
RADIOACTIVE
CARBON-14
REMAINING**

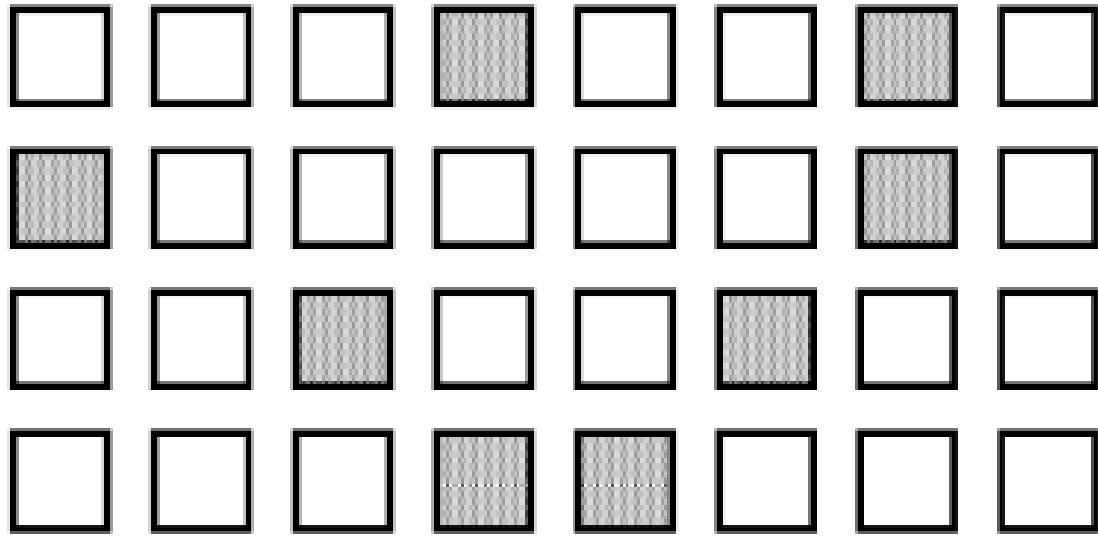




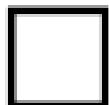




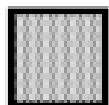




KEY:



Decayed atoms



Undecayed atoms

Syracuse

cliff

N_E

A

not drawn
to scale

MOHO INTERFACE

• B

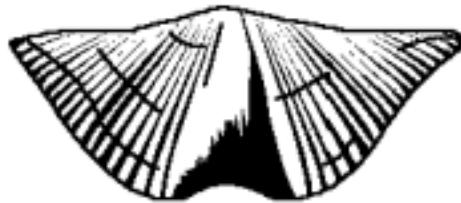
Bedrock Age Index Fossil

Mississippian



Spirifer

Devonian



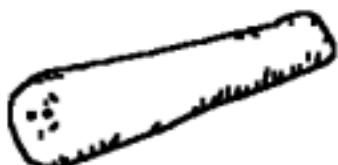
Mucrospirifer

Silurian

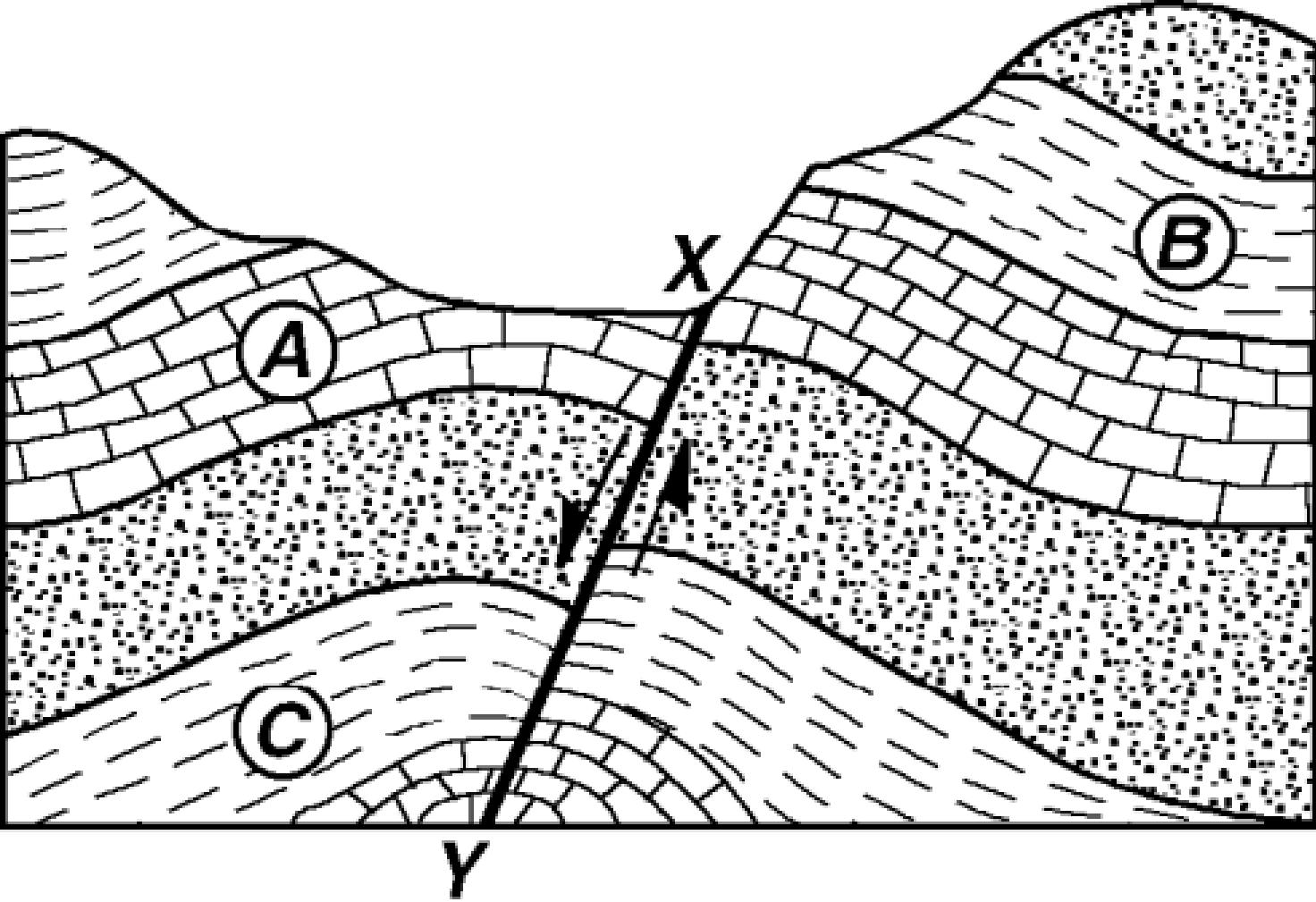


Eospirifer

Ordovician



Michelinoceras



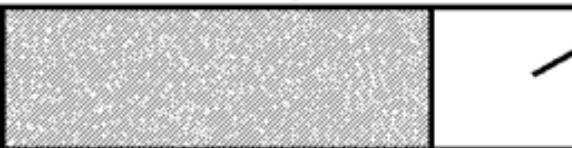
1 unit of
radioactive U²³⁸

4.5
Billion
Years



1/2 of original
unit of radioactive
U²³⁸ remains

Another
4.5
Billion
Years



1/4 of original
unit of radioactive
U²³⁸ remains

Mohawk
River

Grand
Gorge

Slide Mt.

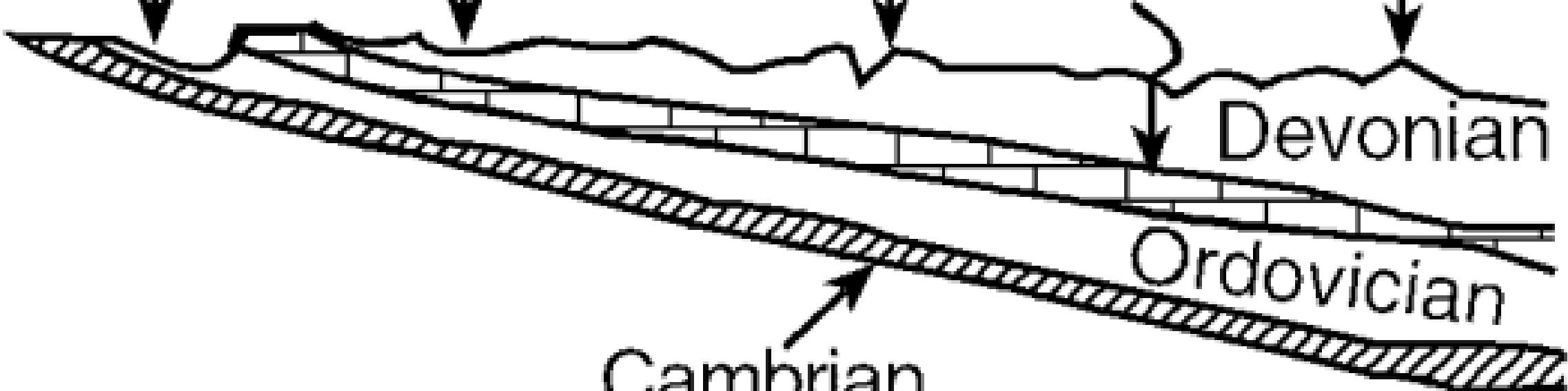
Cobleskill

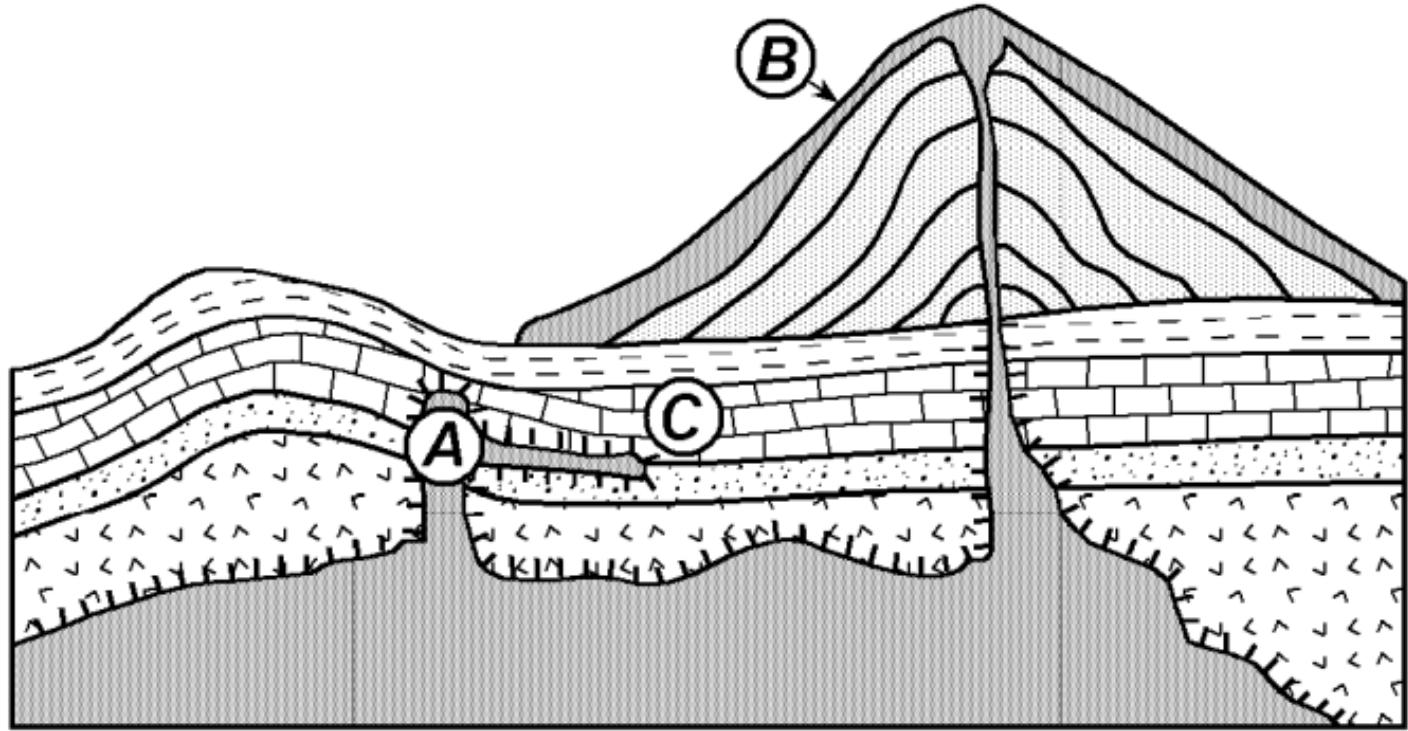
X

Devonian

Ordovician

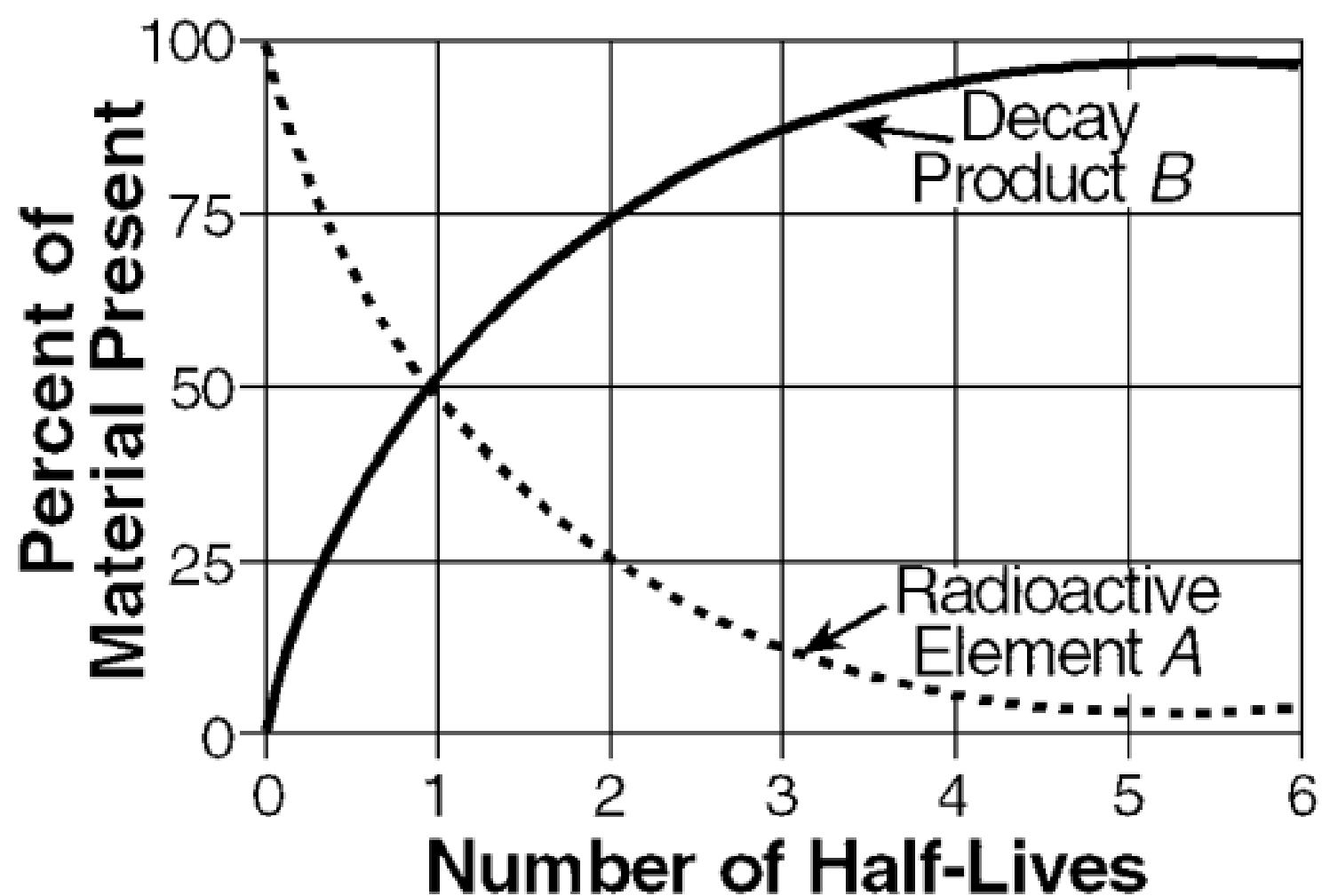
Cambrian

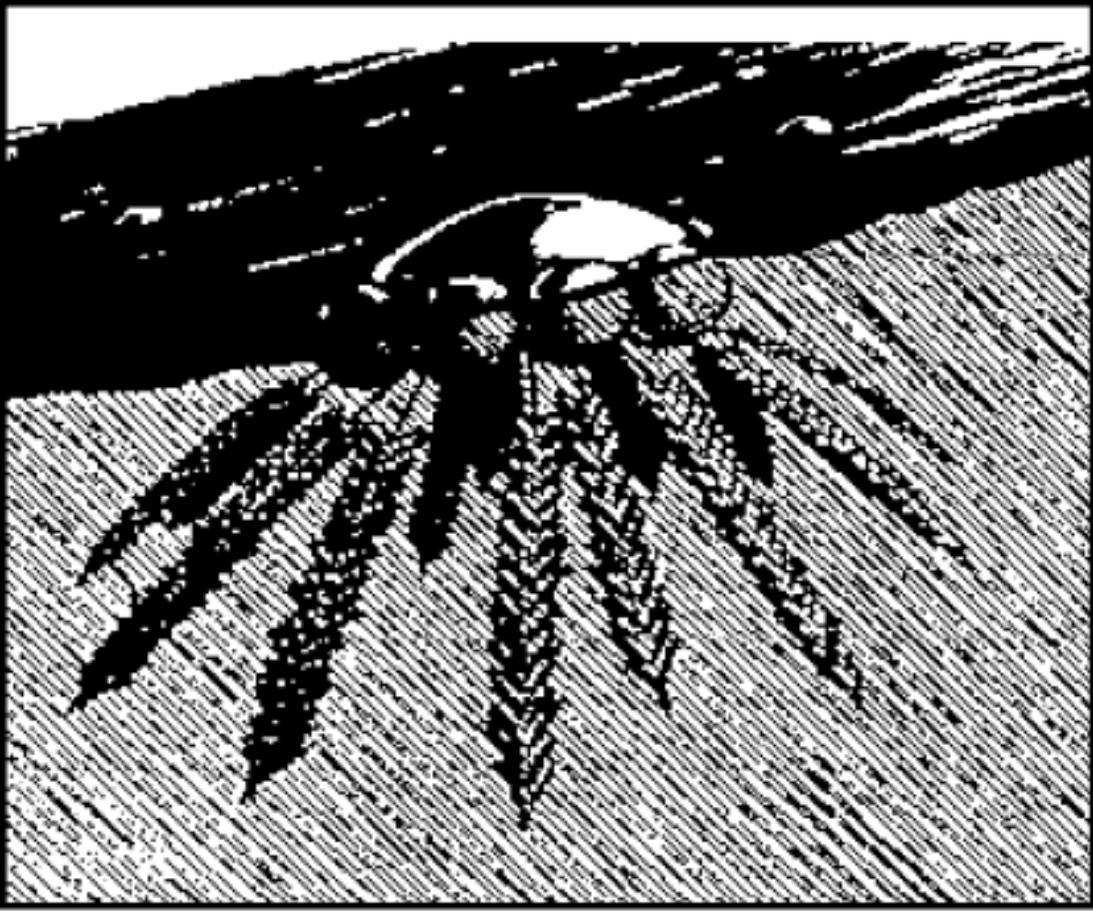




KEY:

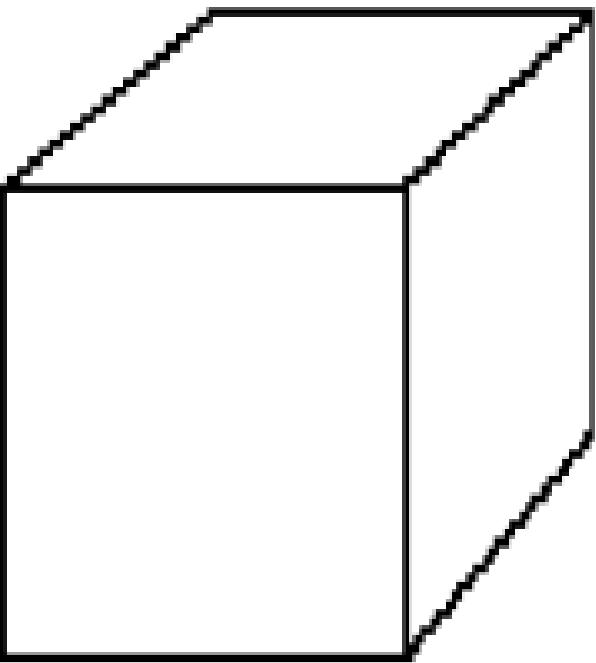
	Igneous rock A and B		Sandstone		Limestone
	Gabbro		Shale		Ash layers
	Contact metamorphism				





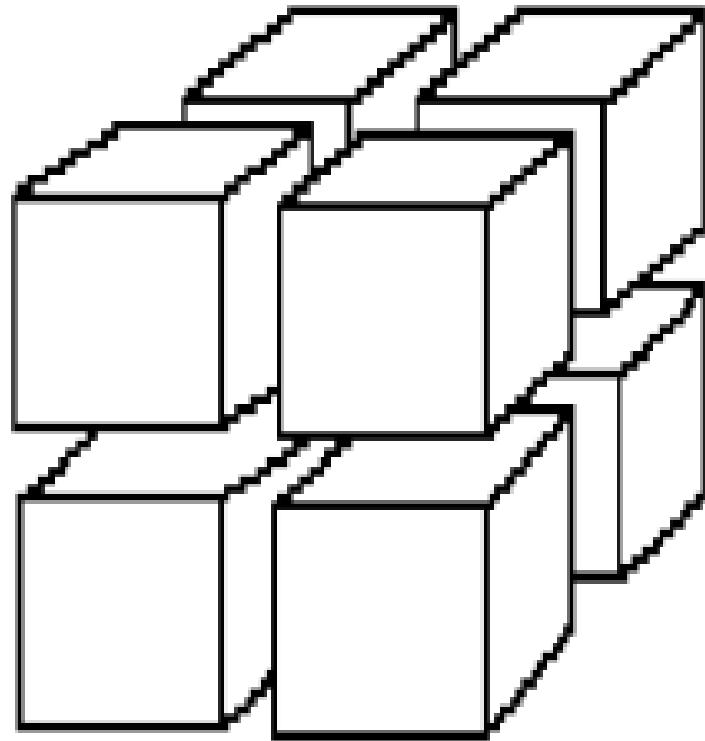
Floating graptolites

FIGURE A

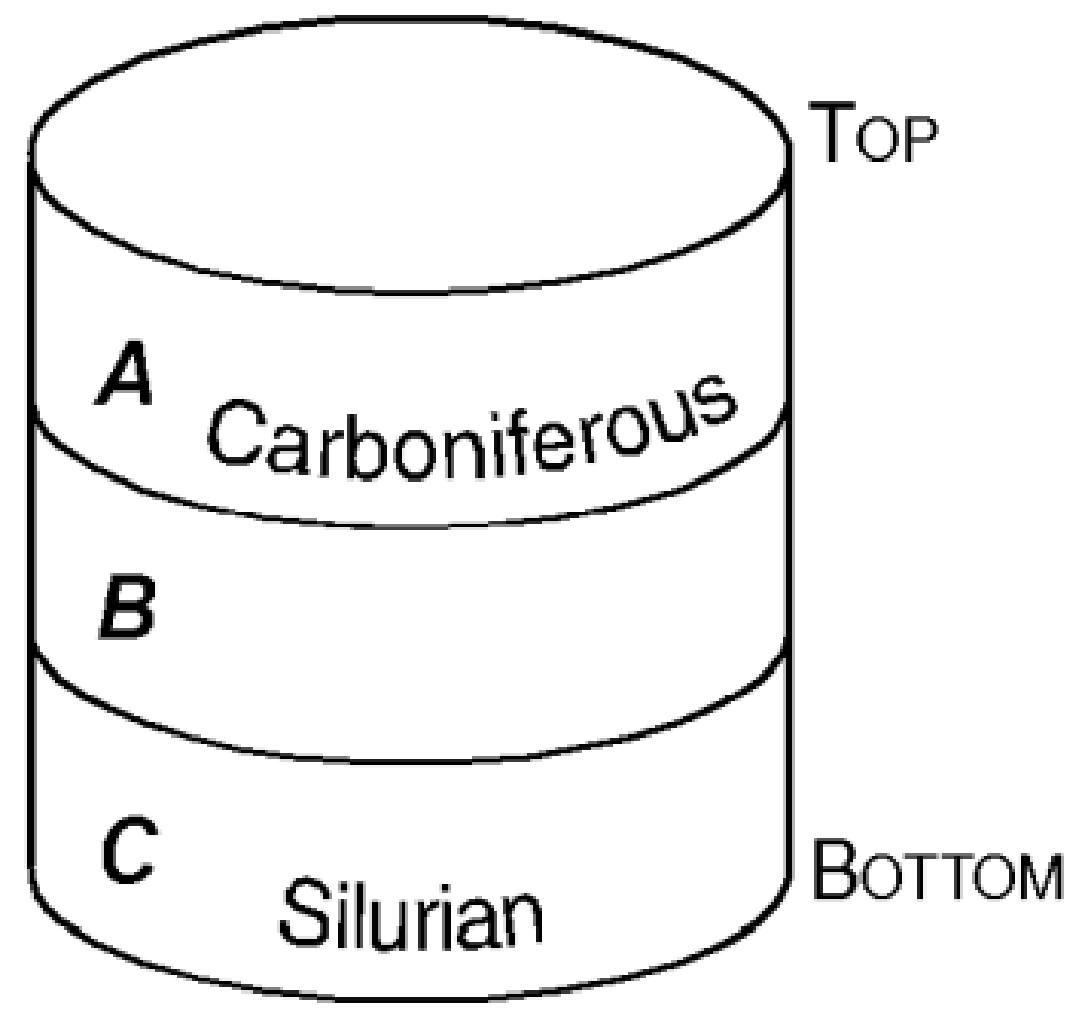


← 2 cm →

FIGURE B



| *1cm* |



TOP

A

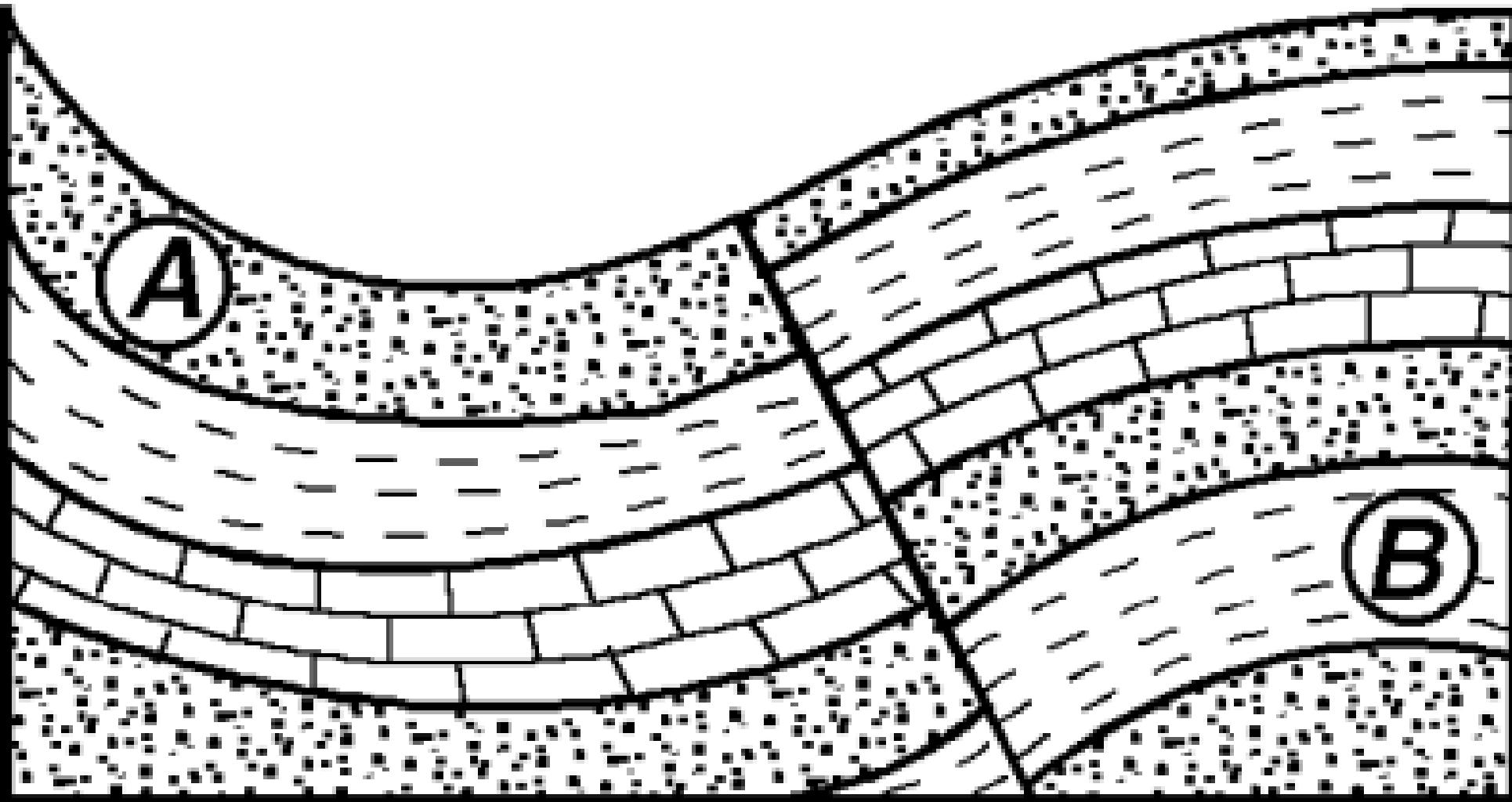
Carboniferous

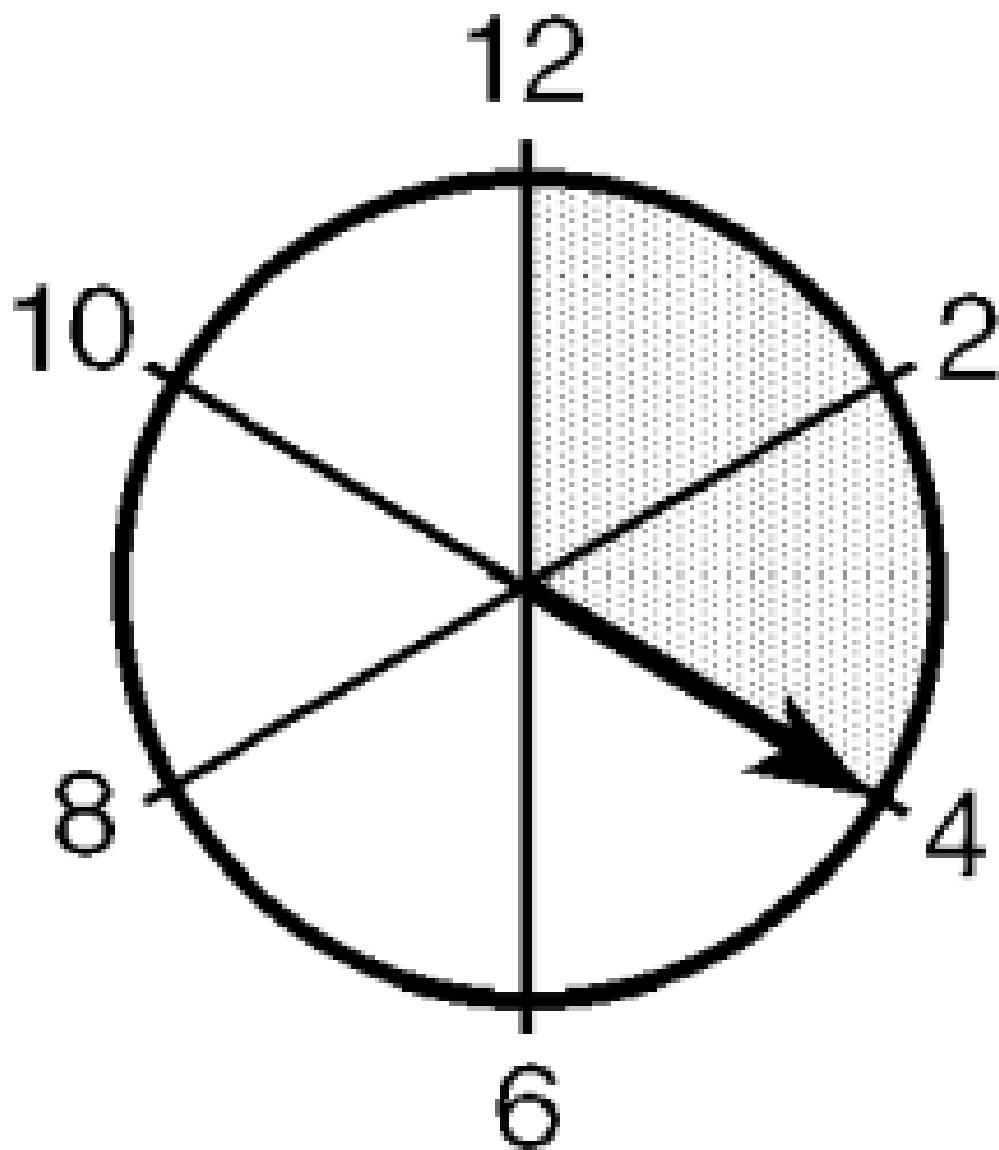
B

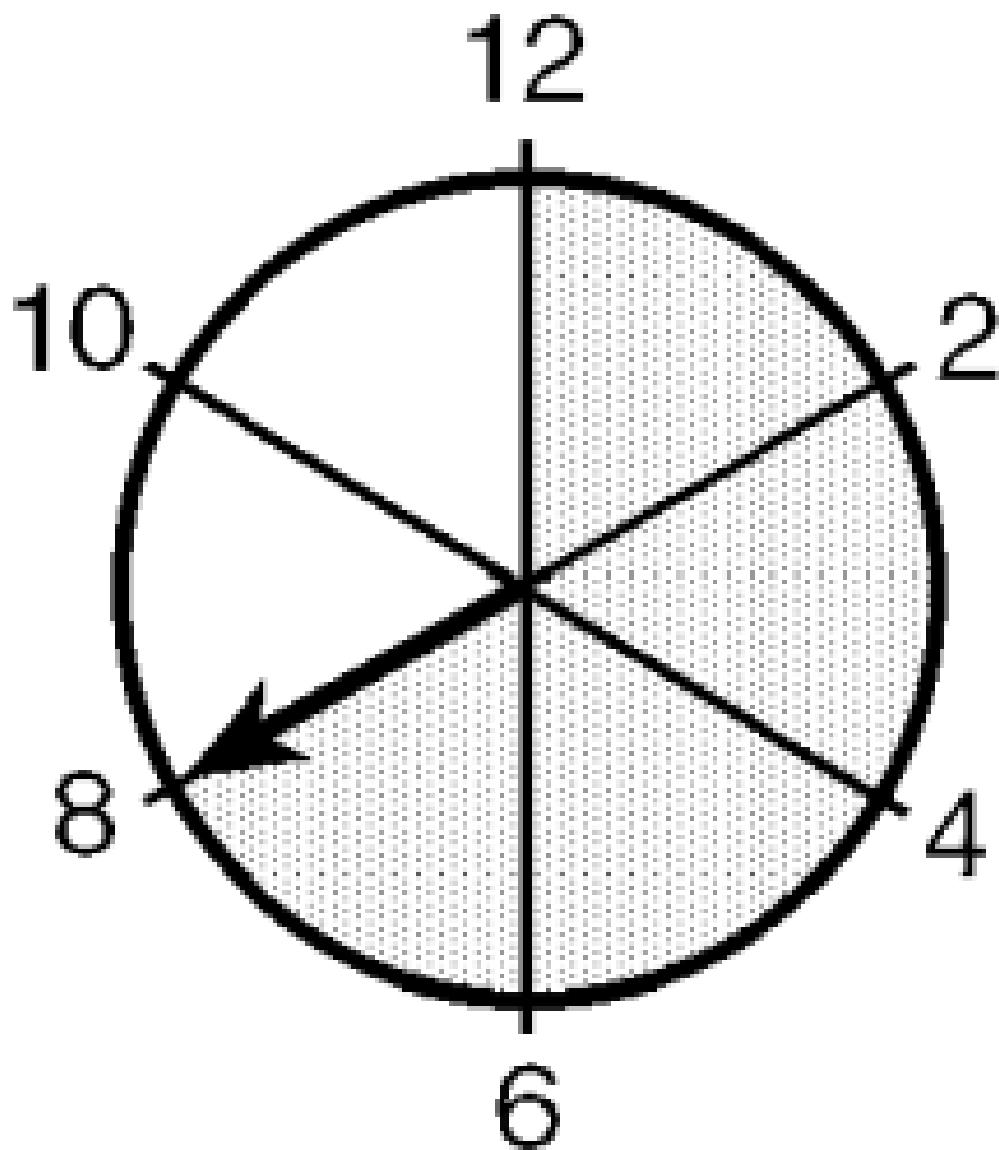
C

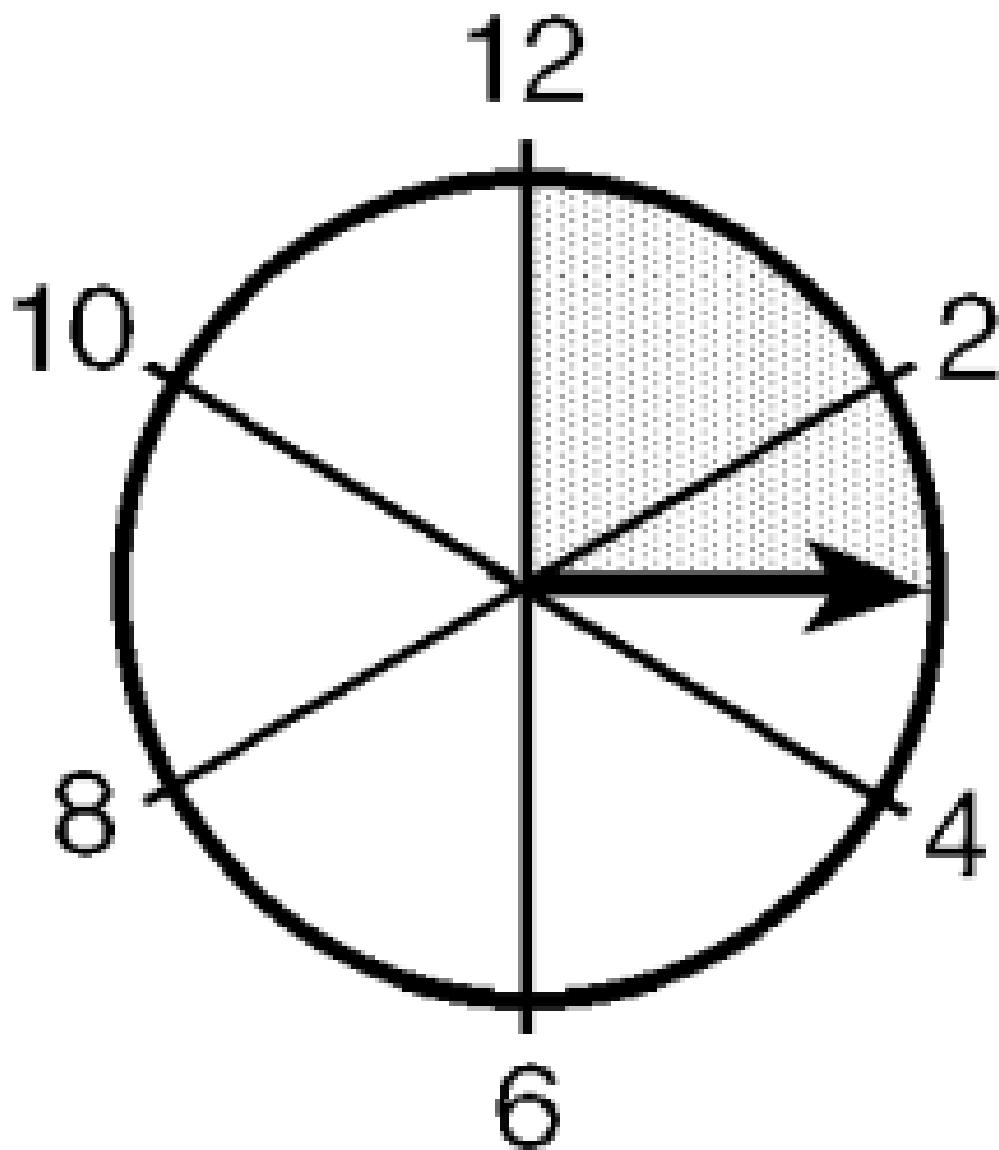
Silurian

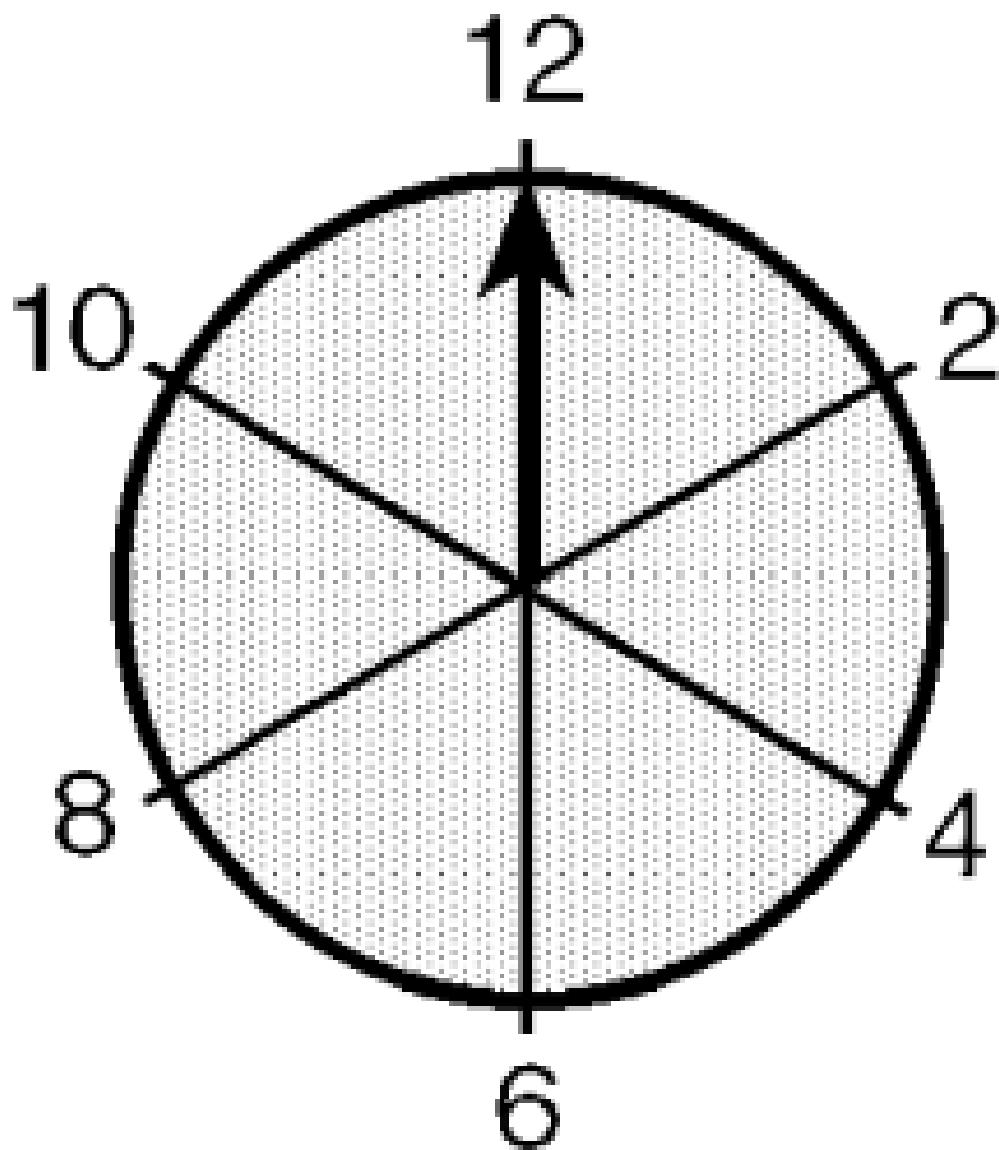
BOTTOM

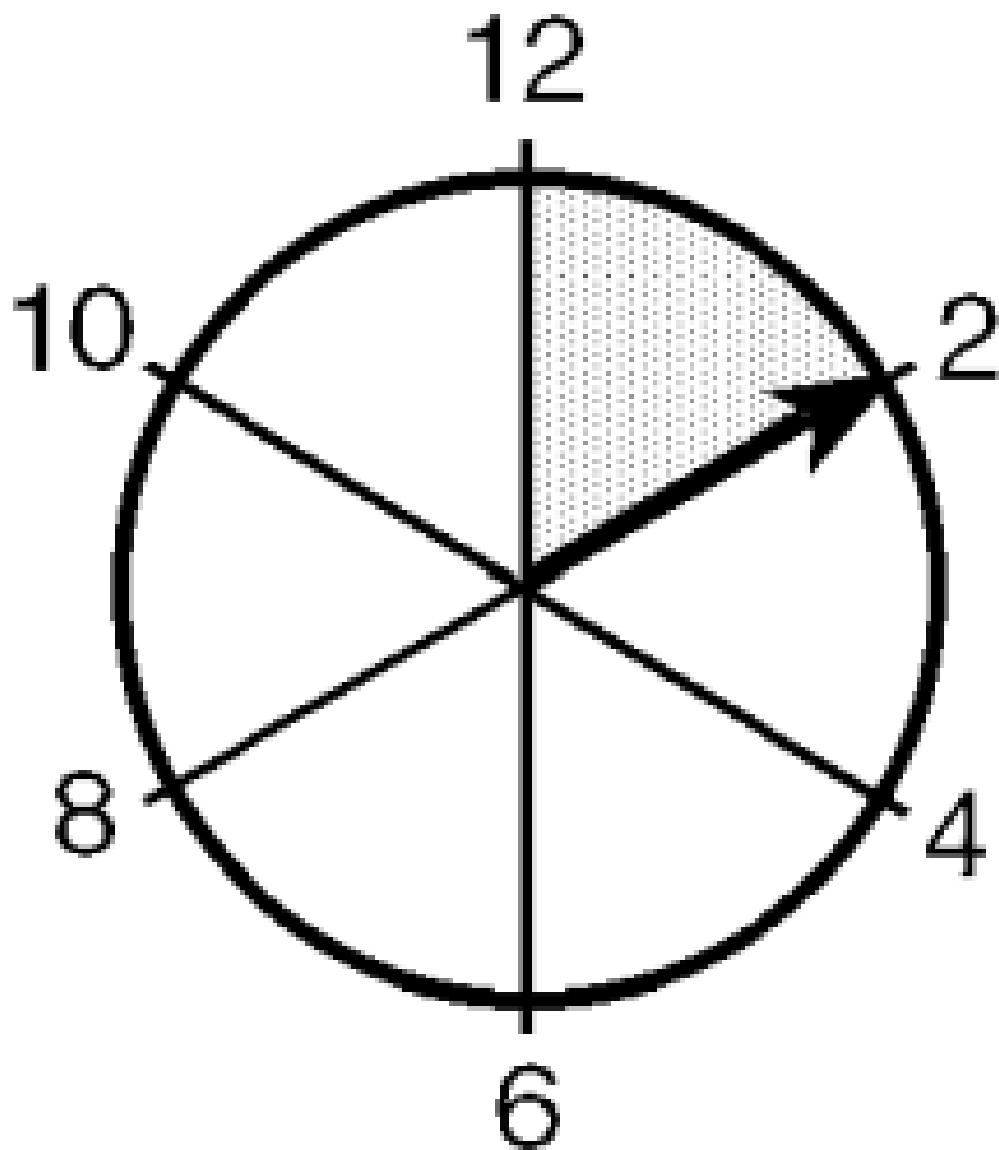


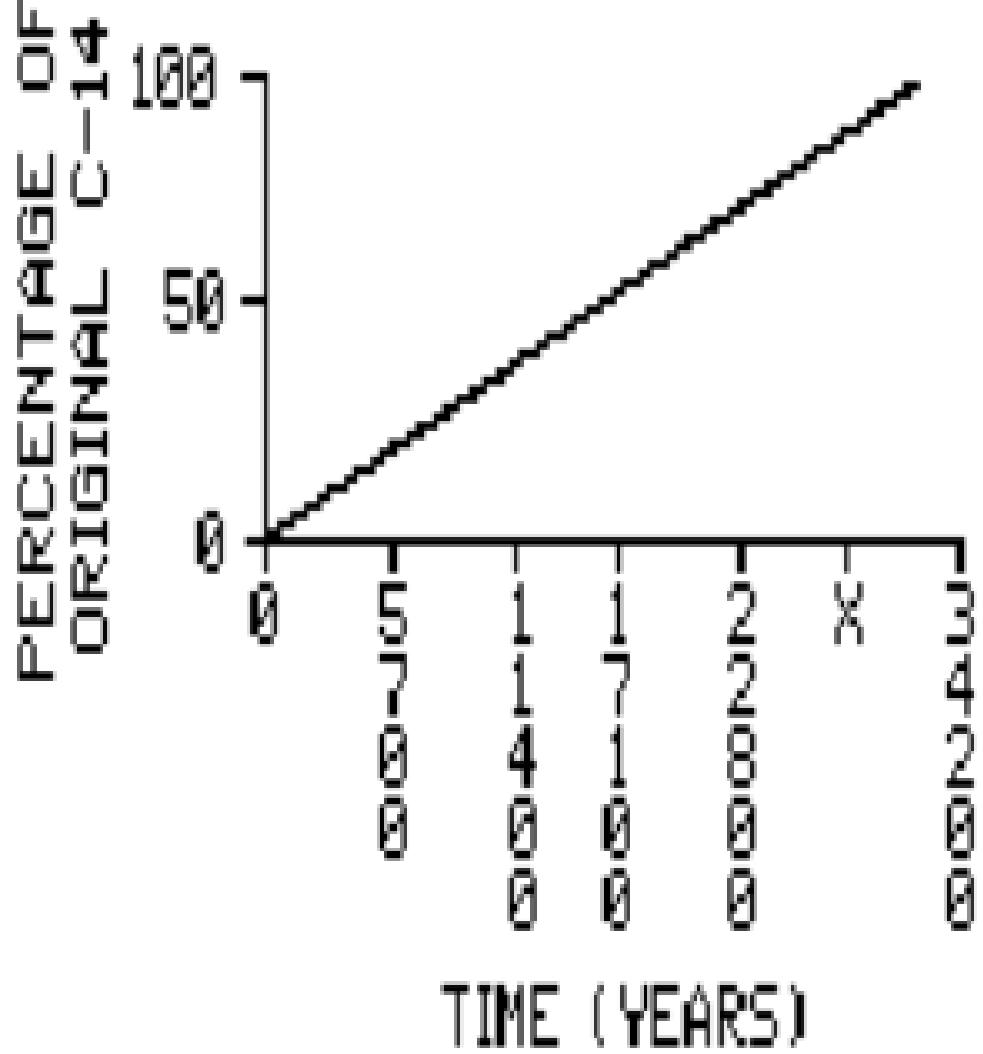


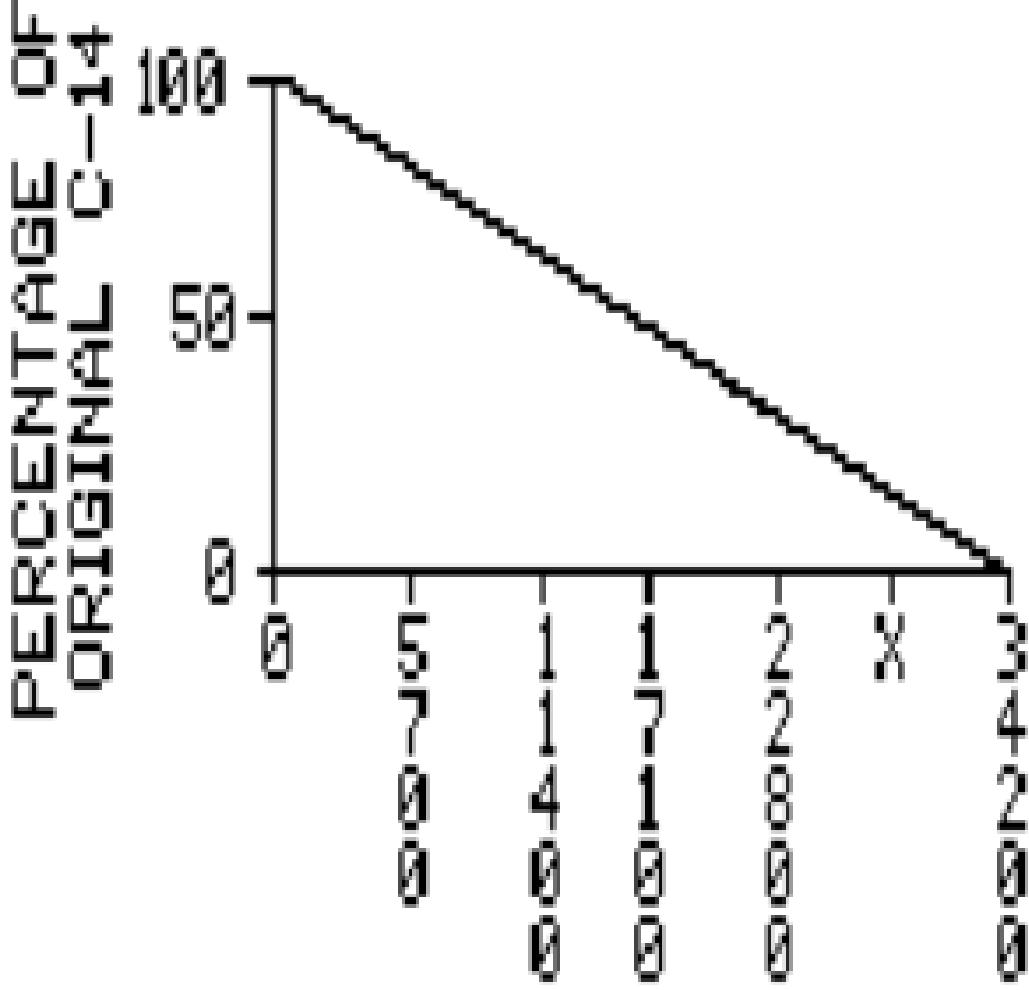


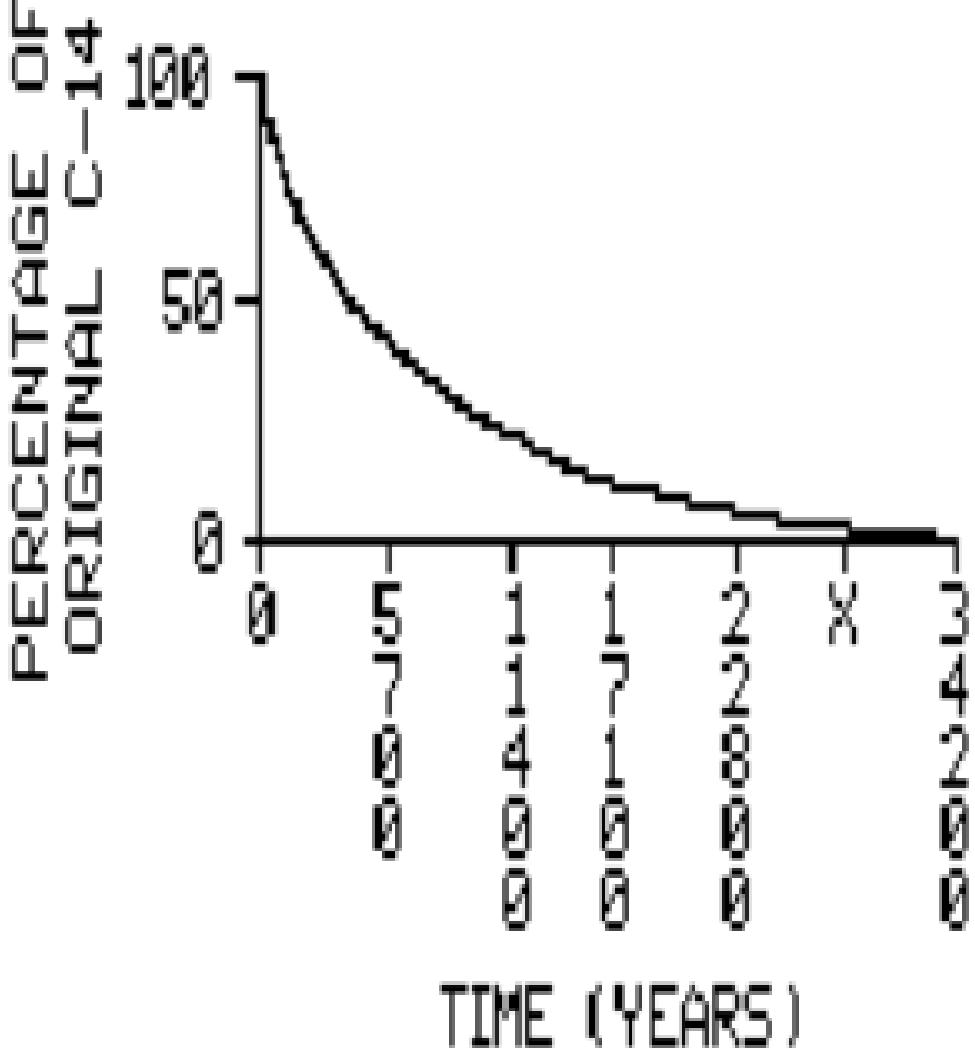


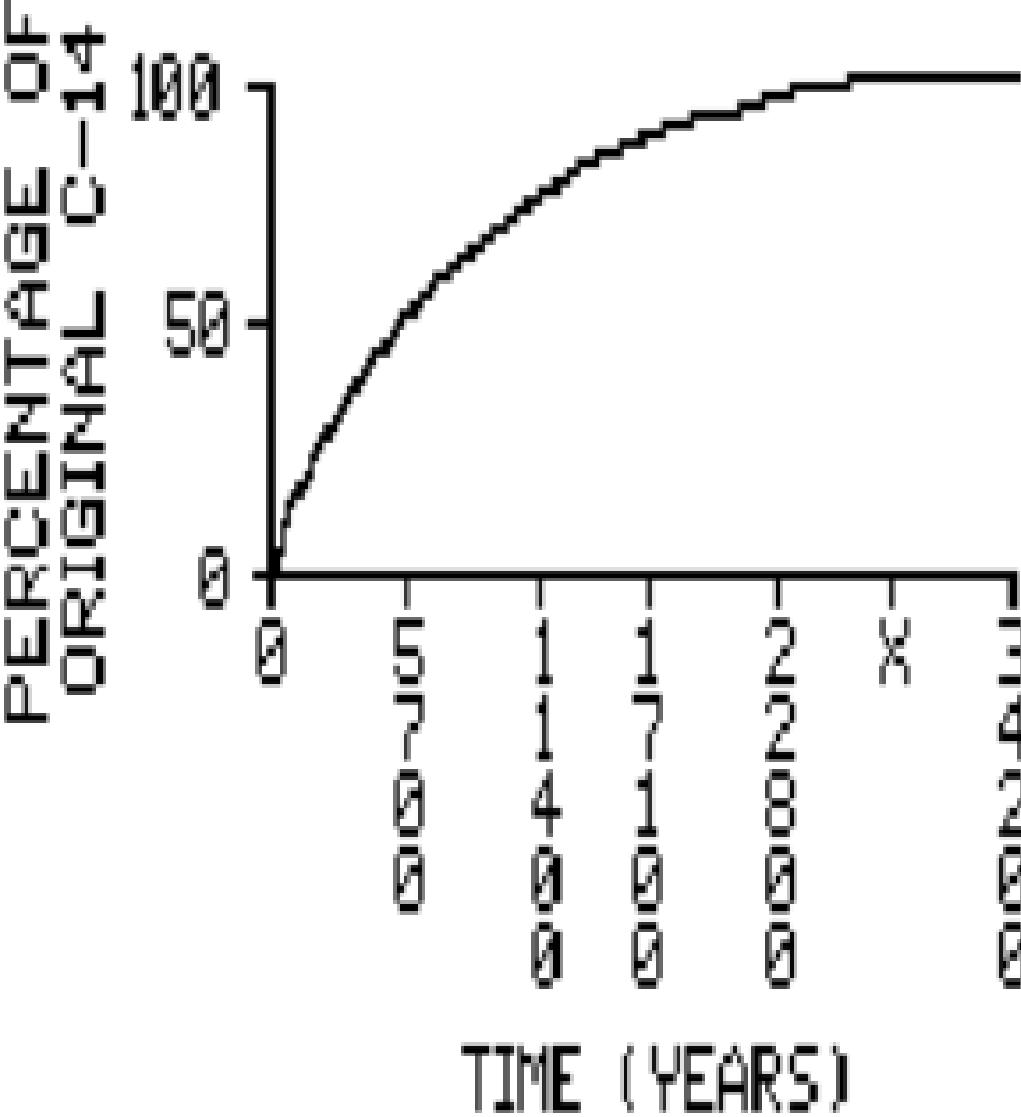


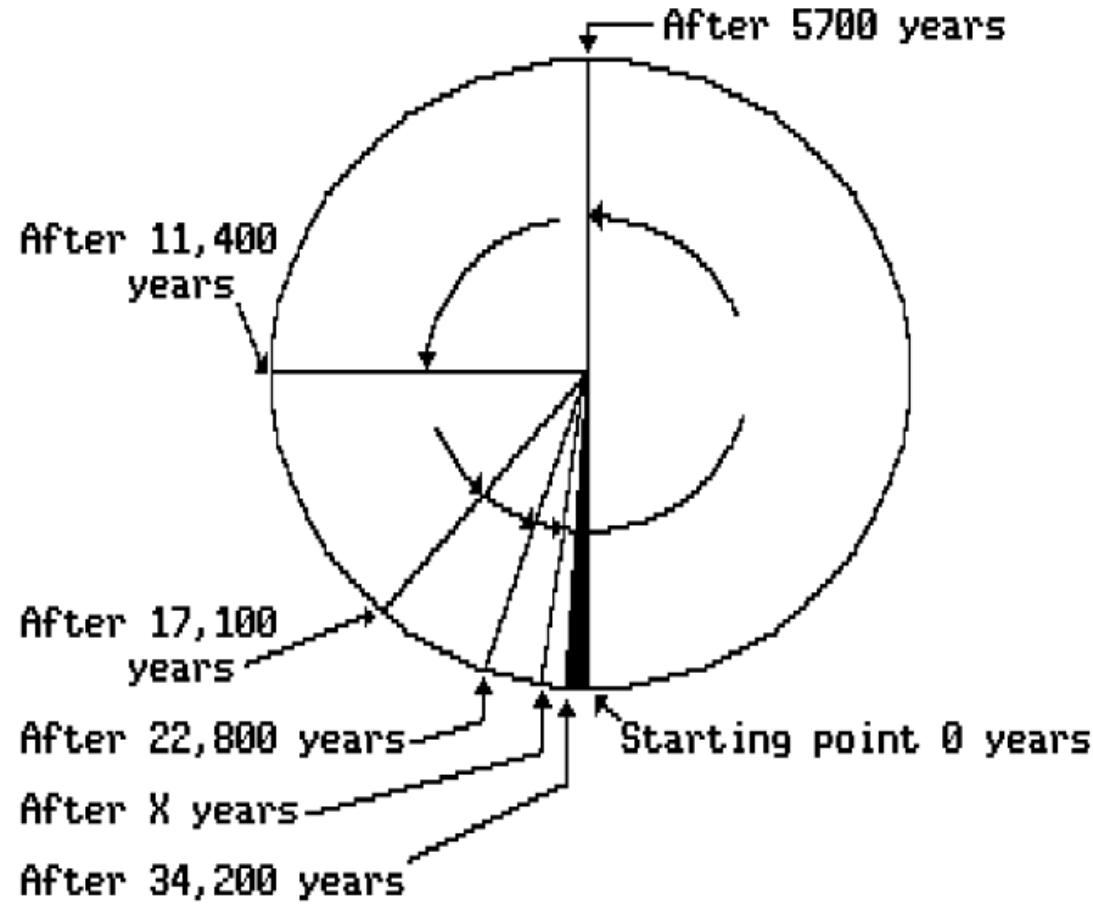






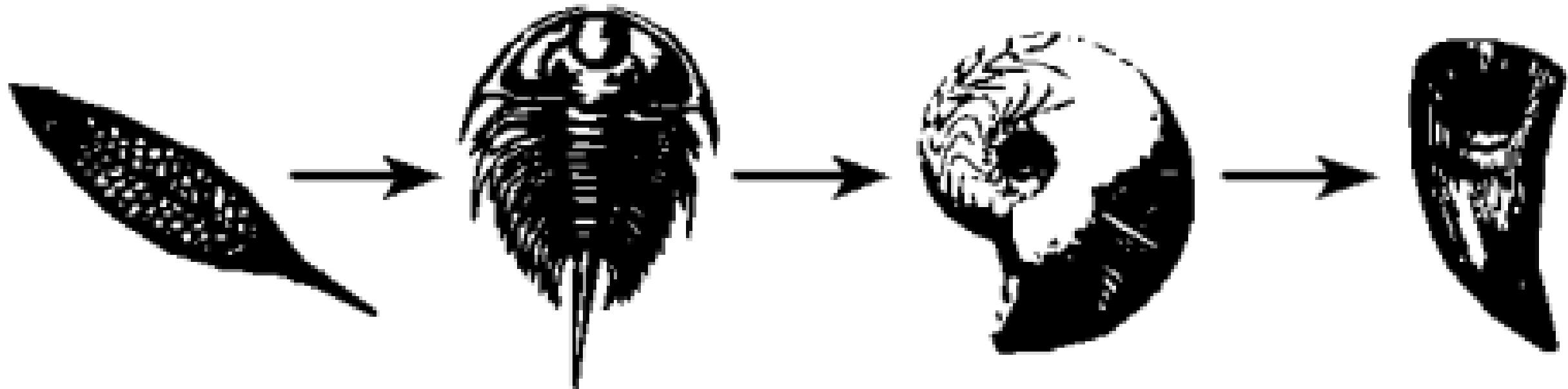






RADIOACTIVE DECAY OF C-14

OLDEST

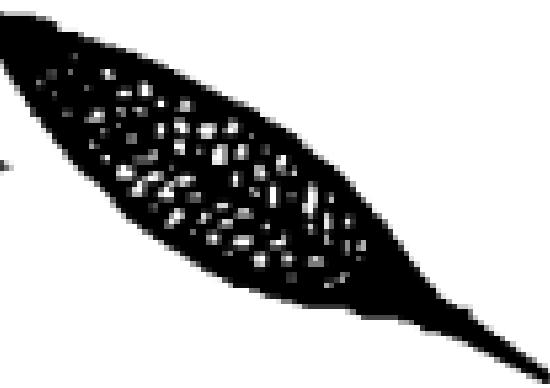


YOUNGEST

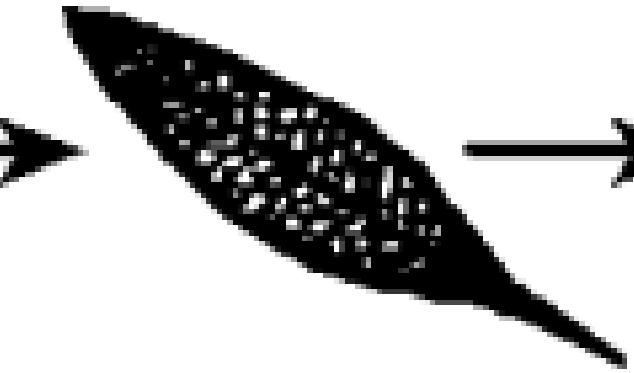
OLDEST



YOUNGEST



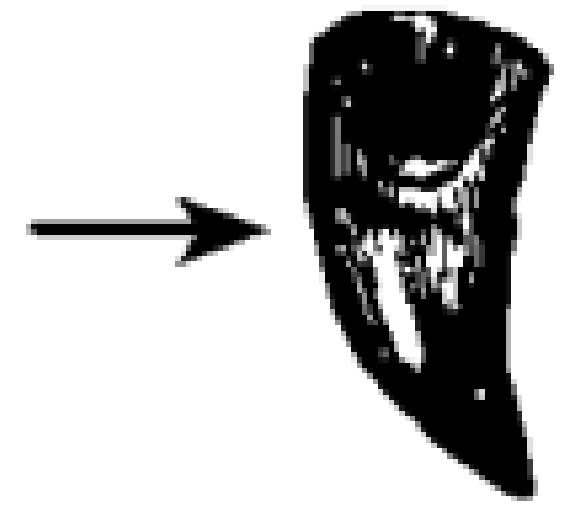
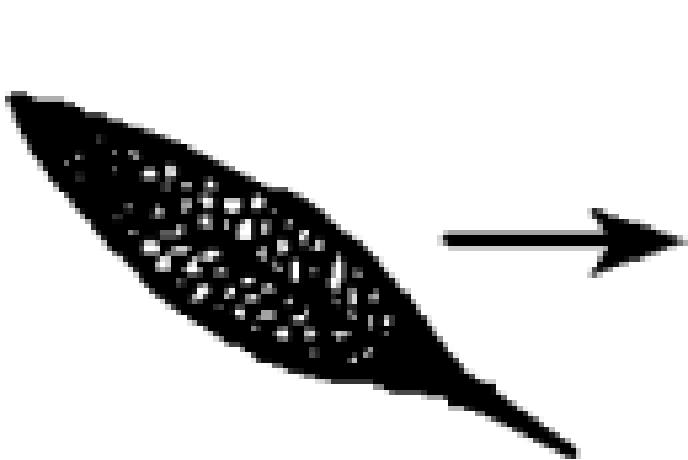
OLDEST



YOUNGEST

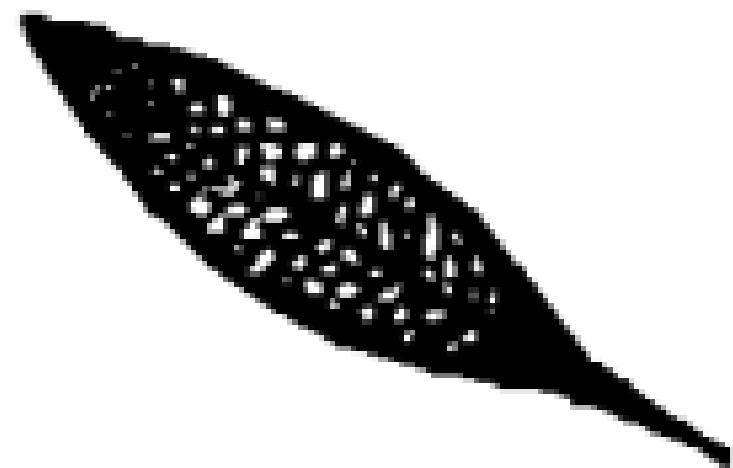


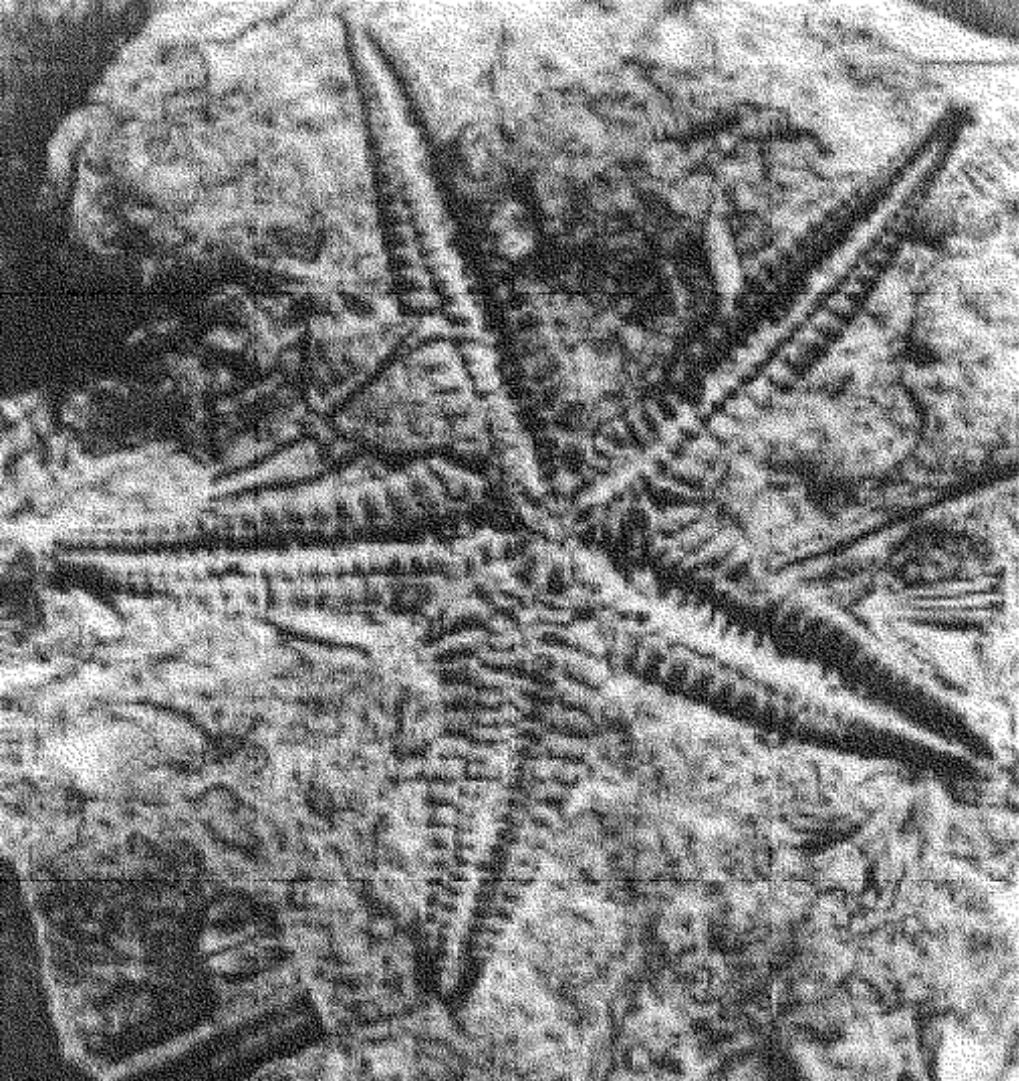
OLDEST



YOUNGEST







0

2 cm

