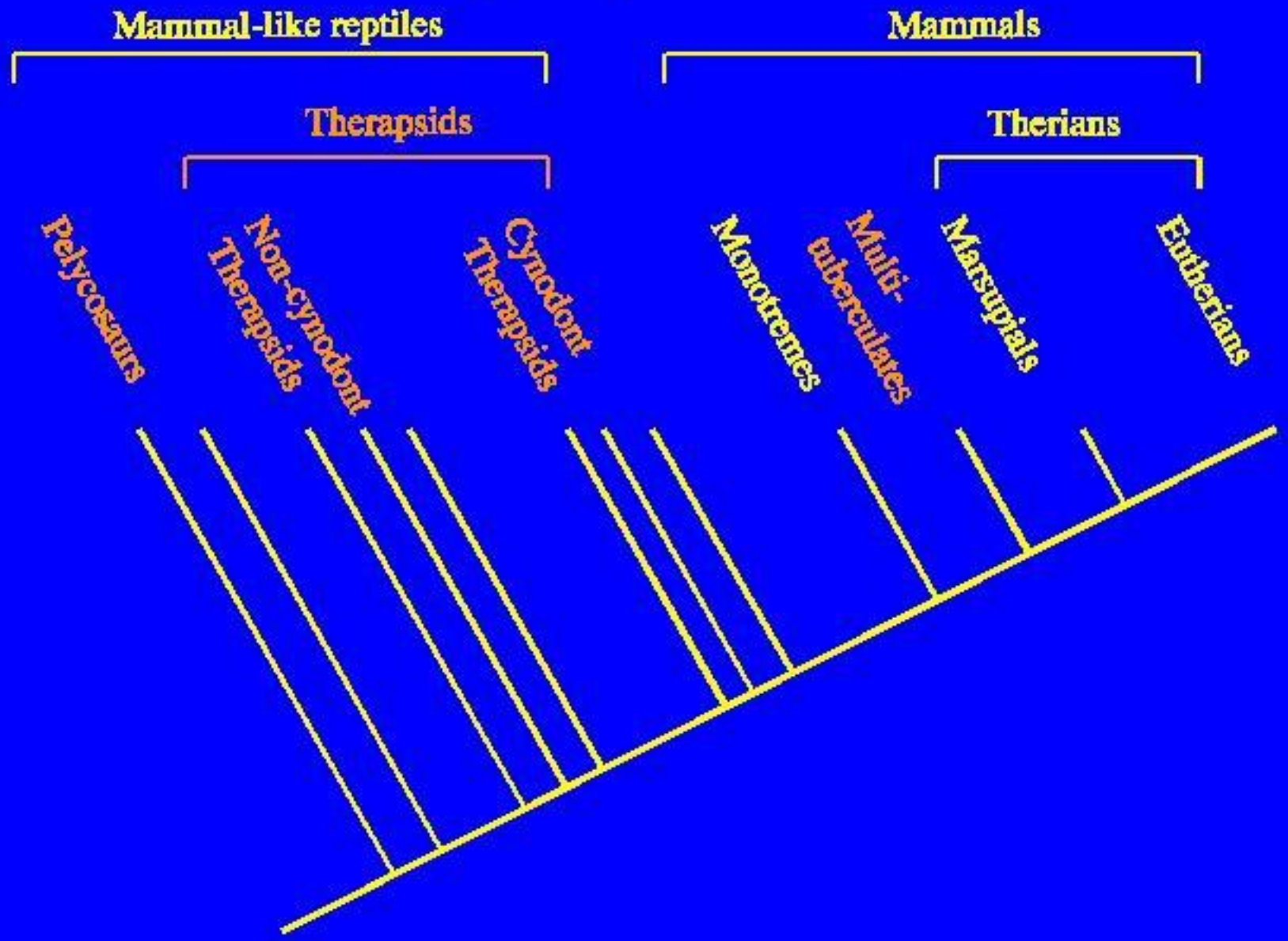
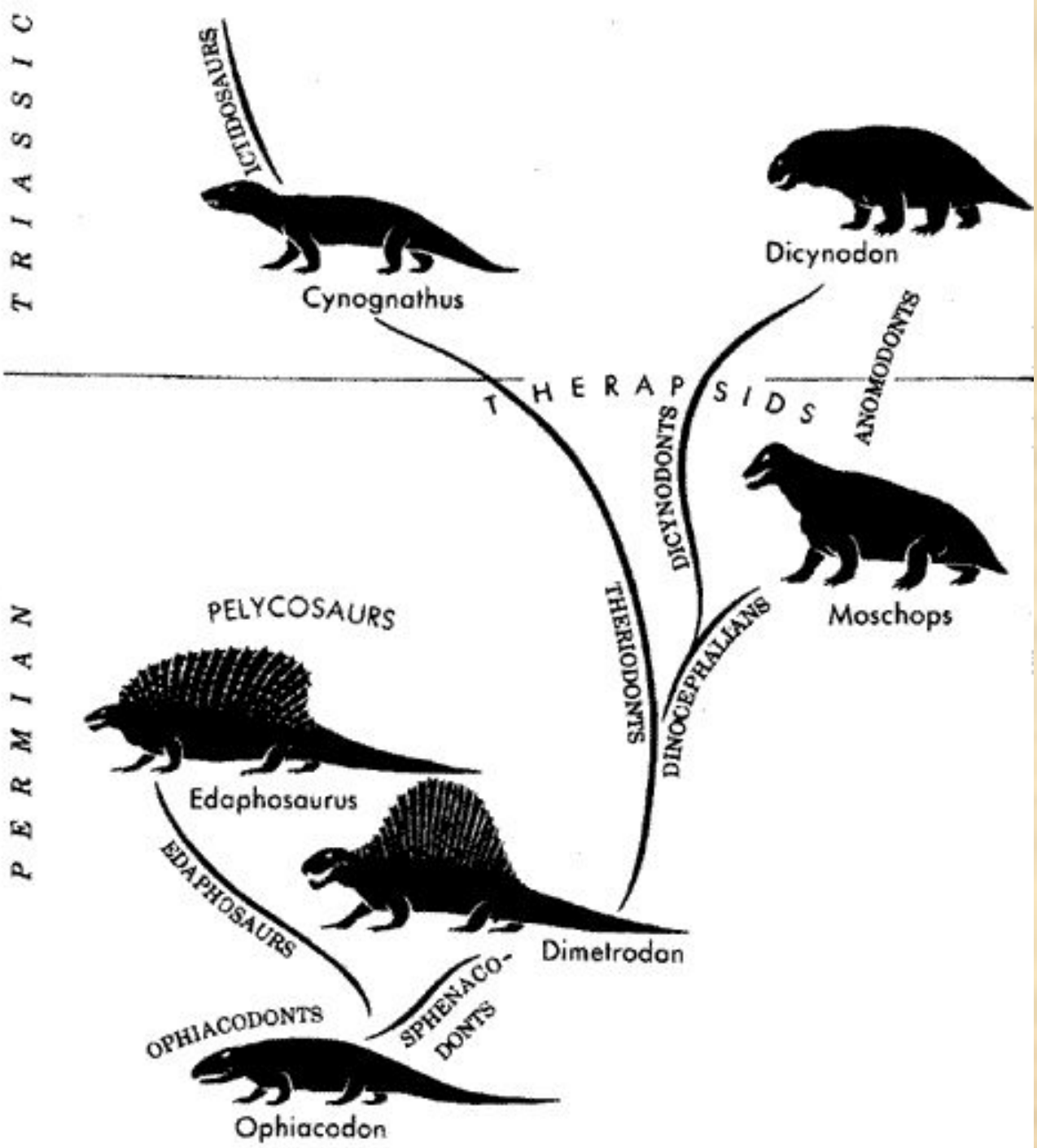
Synapsida

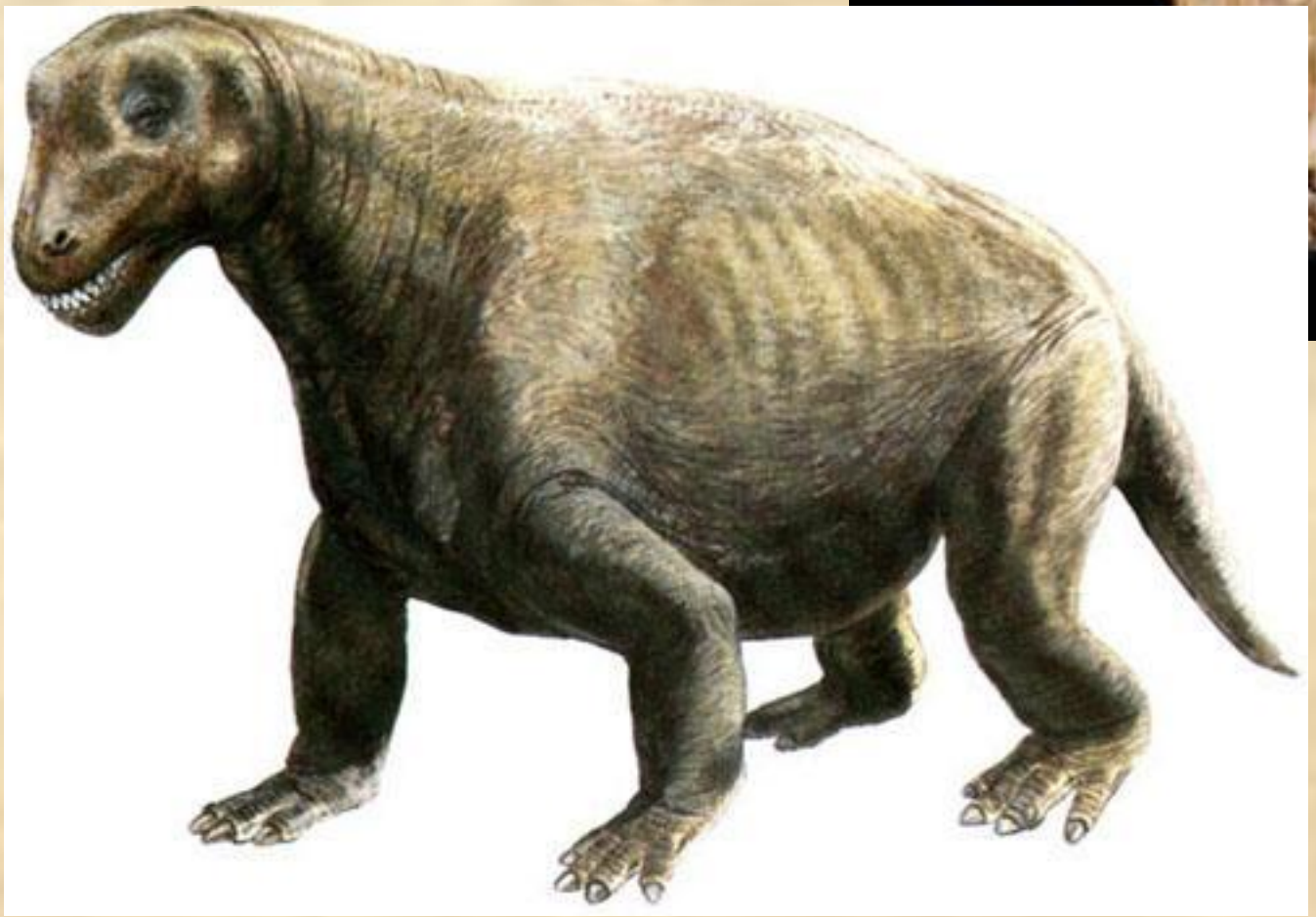

Mammal-like reptiles
Mammals
Therapsids
Therians
Pelycosaurs
Non-cynodont Therapsids
Cynodont Therapsids
Monotremes
Multi-tuberculates
Marsupials
Eutherians


P
Pof
St
T
Po
Prf
N
F
L
Sq
Q
E
J
M
Bc
Pm
Qj
Pt
Ar
Sa
An
D
A
B
Sp
C
D

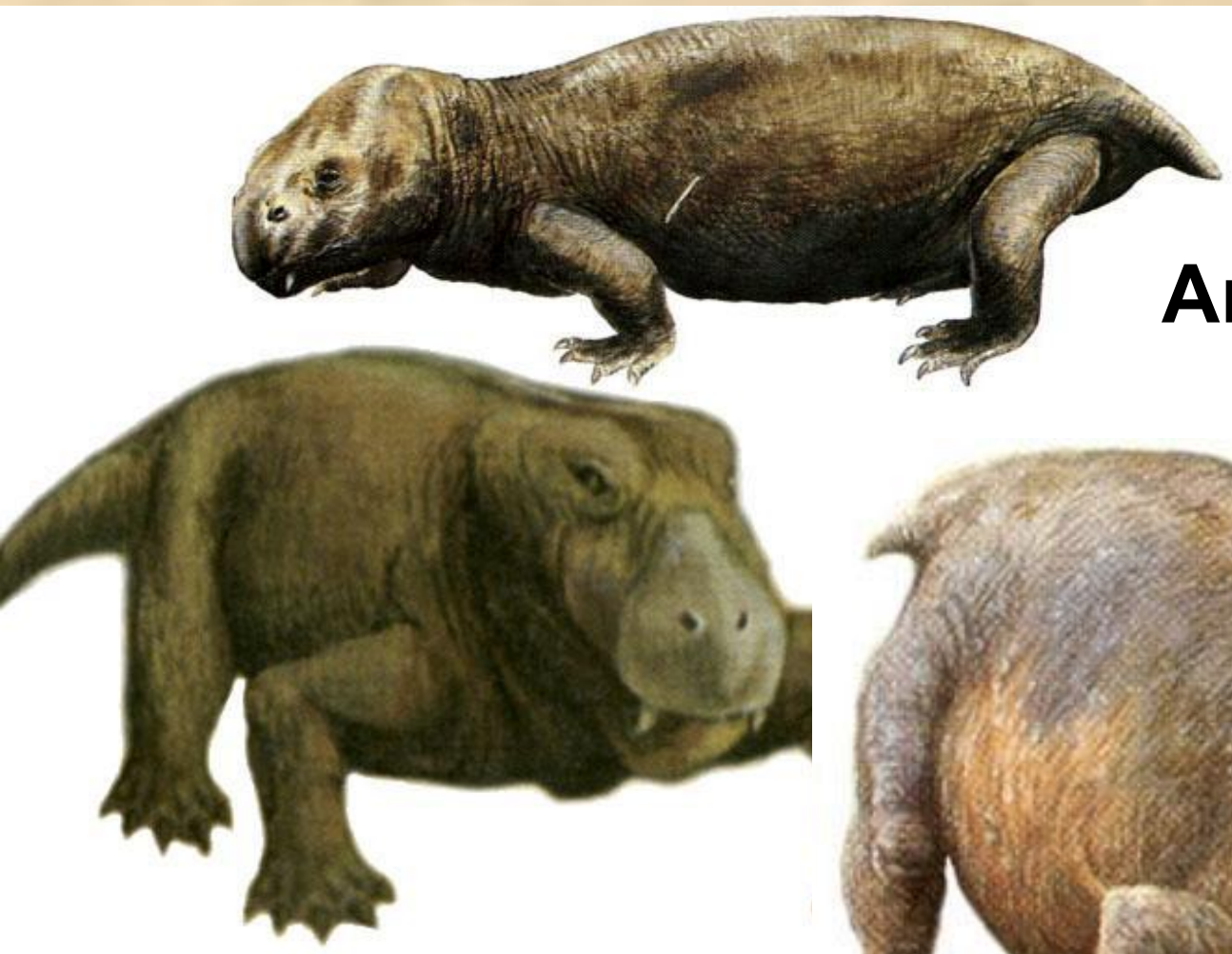

TRIASSIC
PERMIAN
THERAPSIDS
ICTIDOSAURS
Cynognathus
Dicynodon
ANOMODONTS
DICYNODONTS
Moschops
THERIODONTS
DINOCEPHALIANS
PELYCOSAURS
Edaphosaurus
EDAPHOSAURS
Dimetrodon
OPHIACODONTS
SPHENACO-
DONTS
Ophiacodon

Pelycosauria

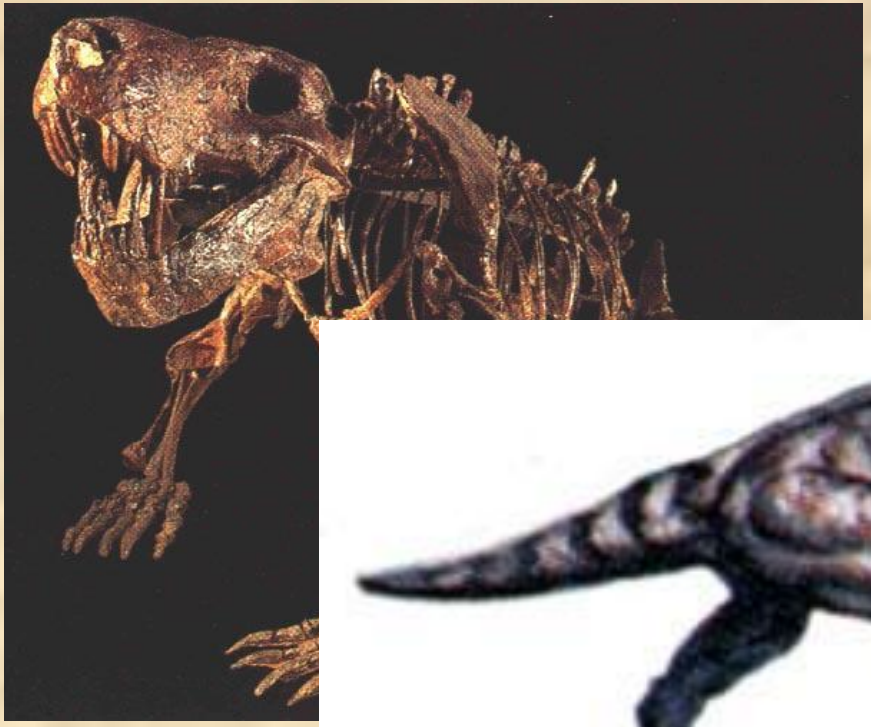
Deinocephalia

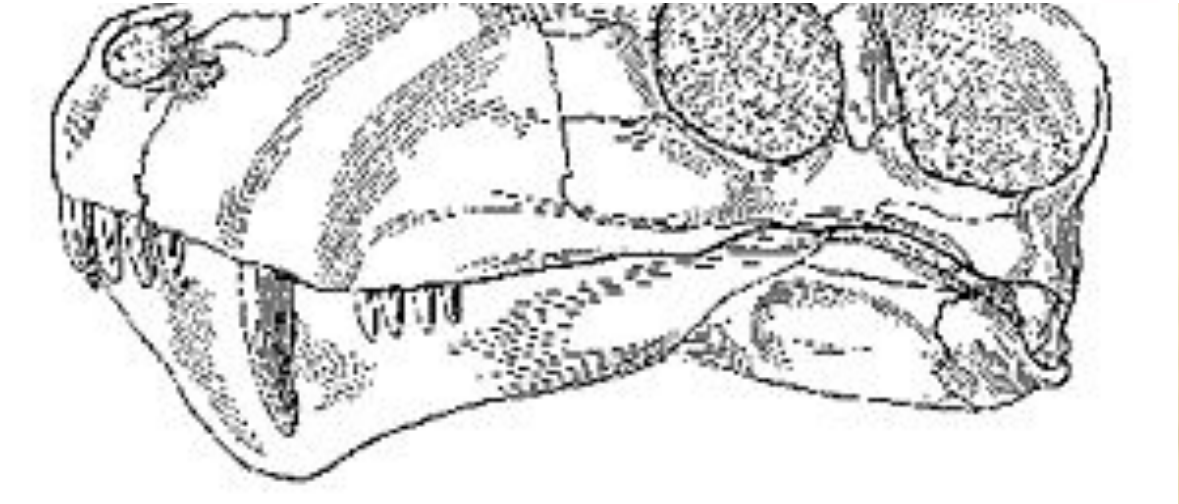


Anomodonta

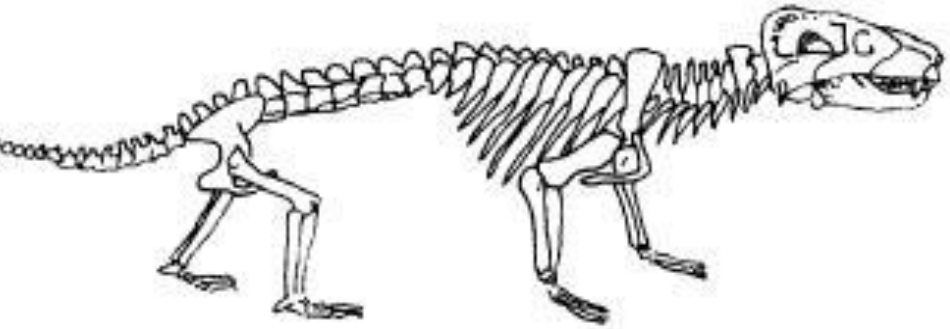


Theriodonta

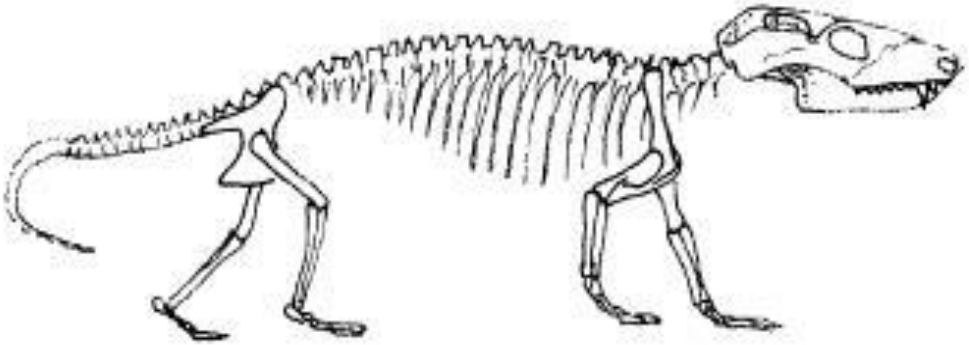




цинодонты



Thrinaxodon



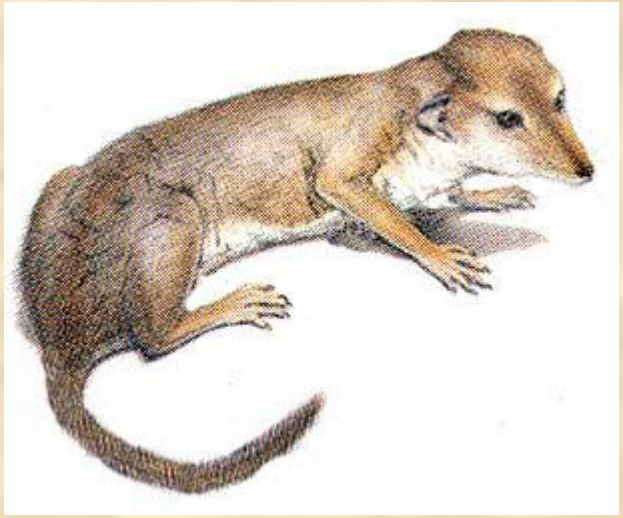
Probelesodon

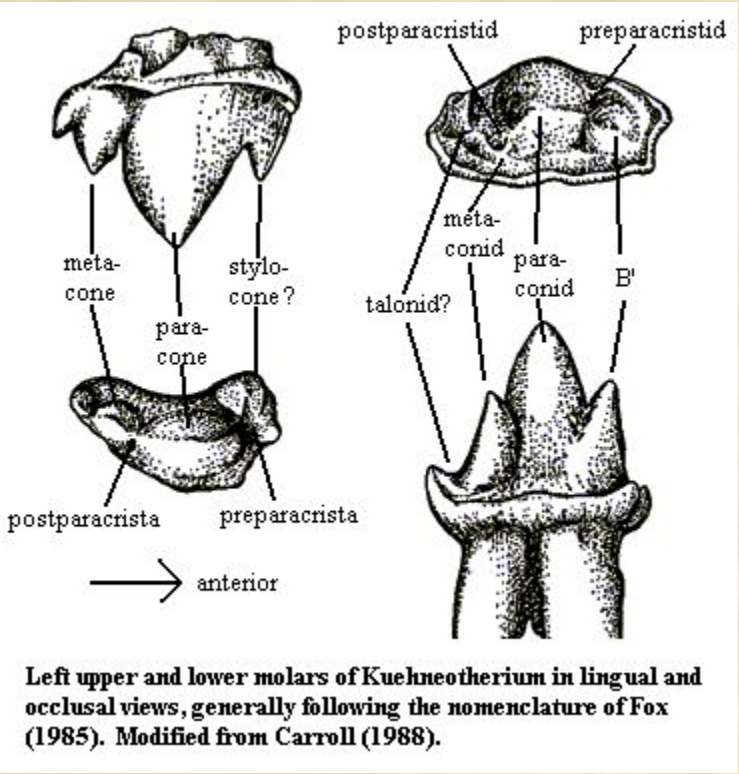
Massetognathus

Monotremata

Monotremata

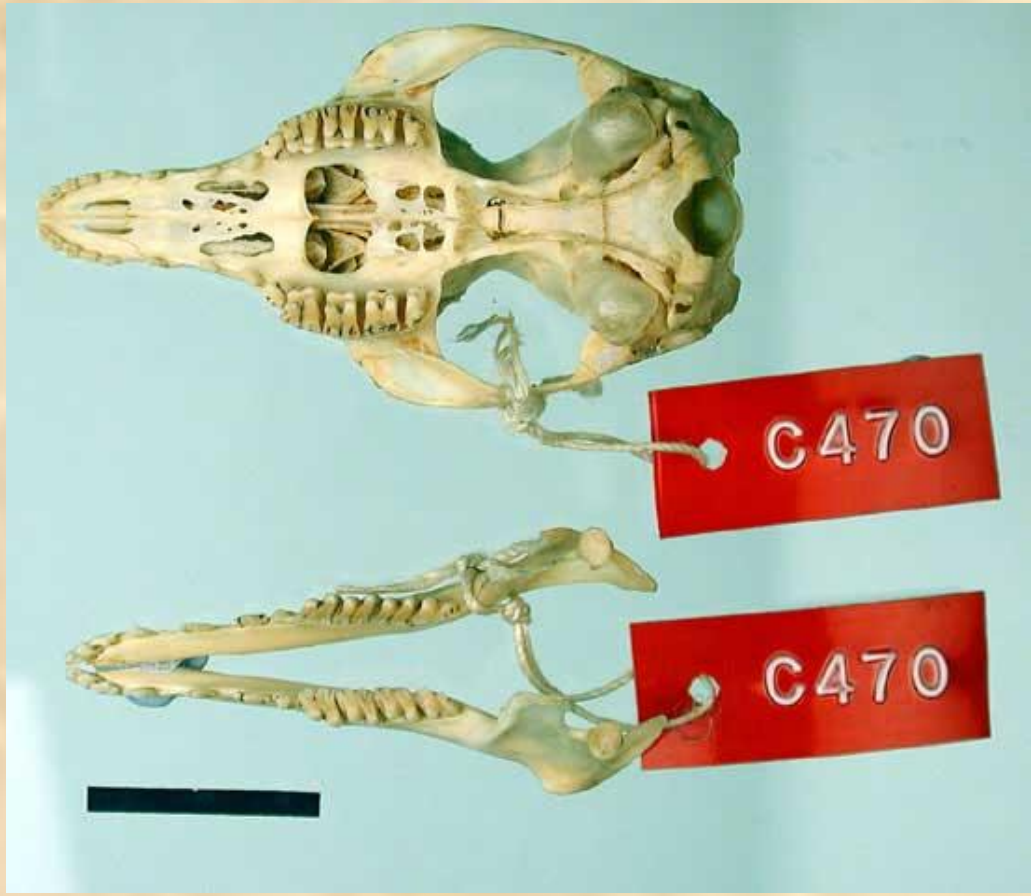
THERIA





Left upper and lower molars of Kuehneotherium in lingual and occlusal views, generally following the nomenclature of Fox (1985). Modified from Carroll (1988).

Metatheria



Eutheria

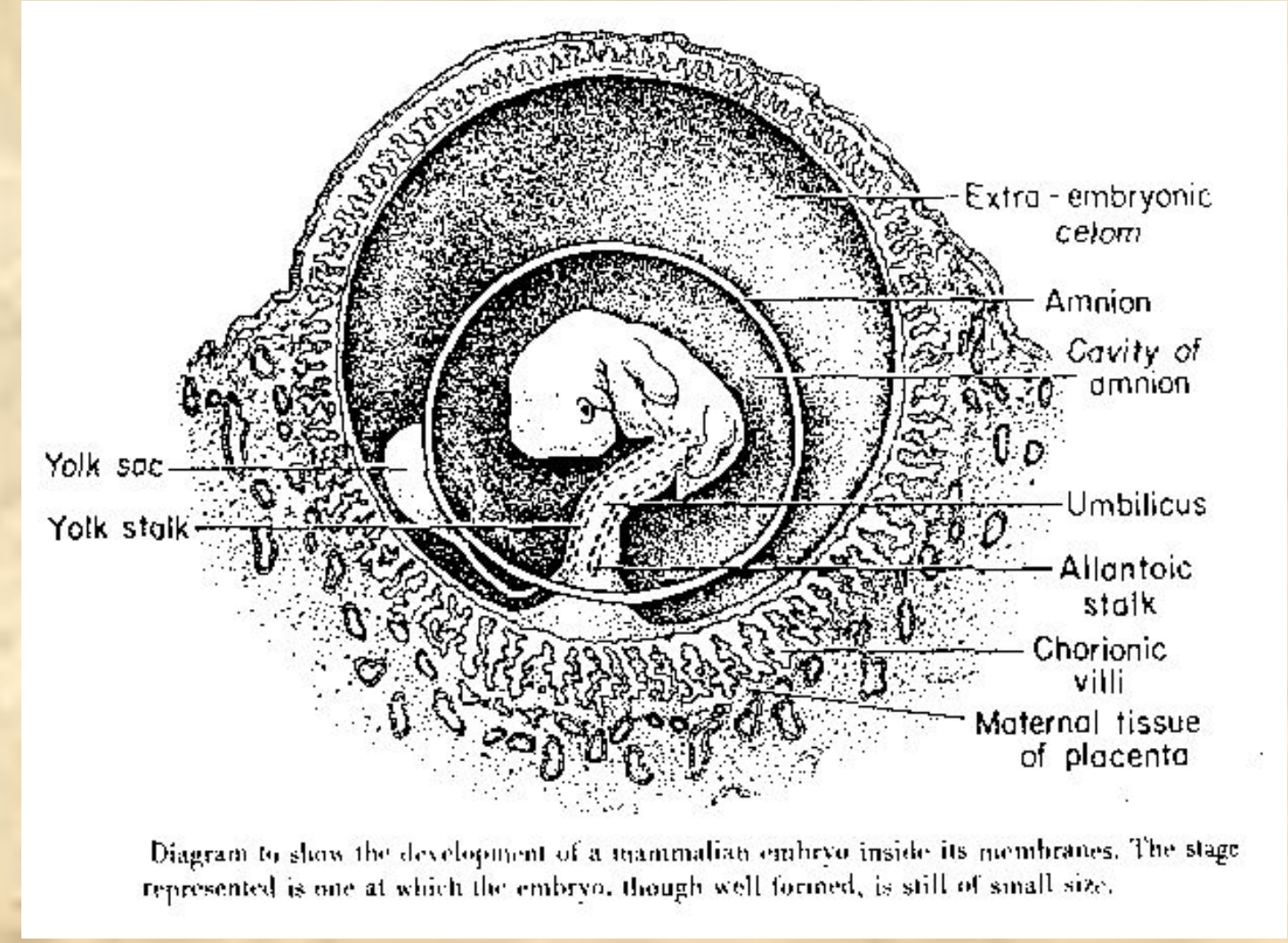
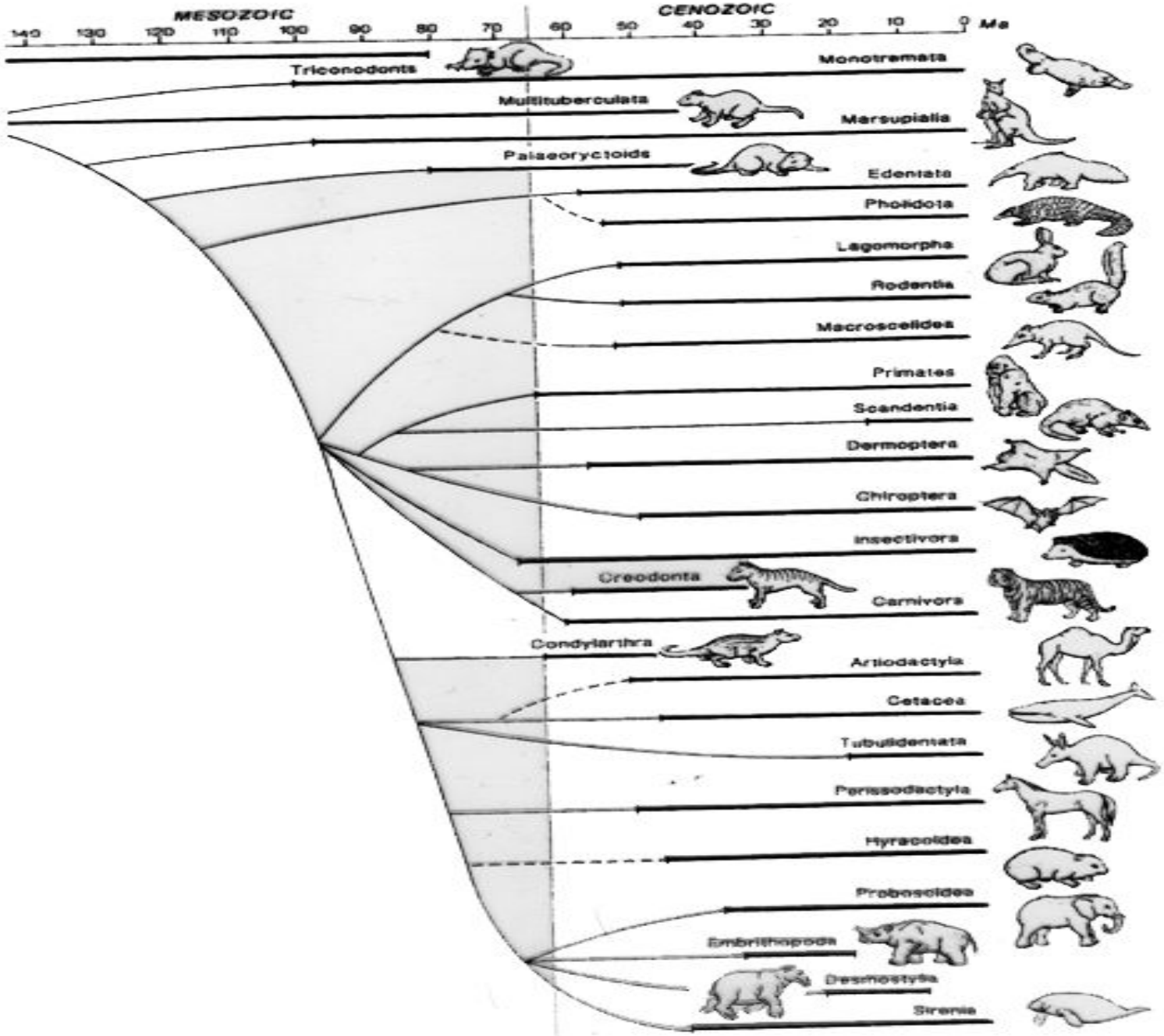
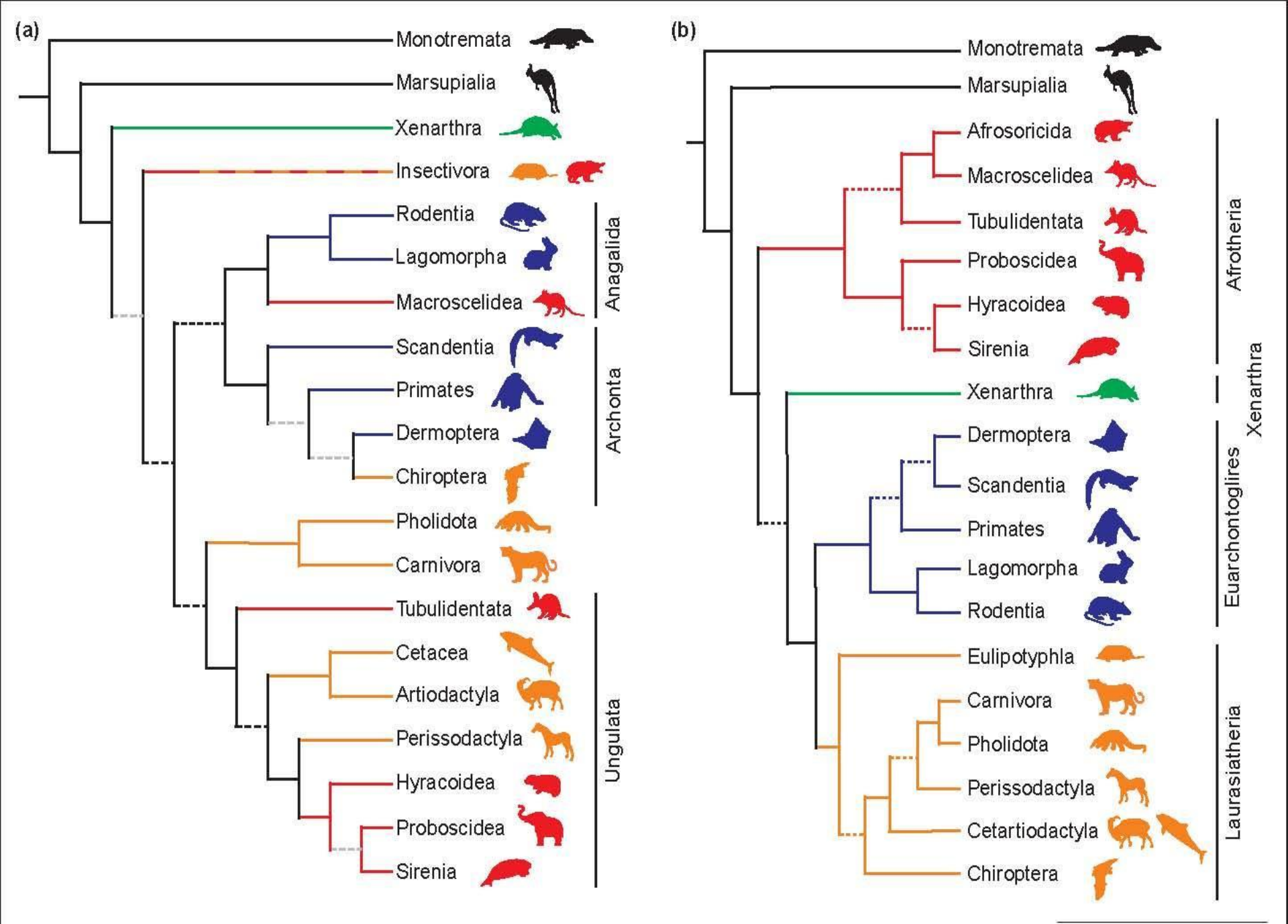


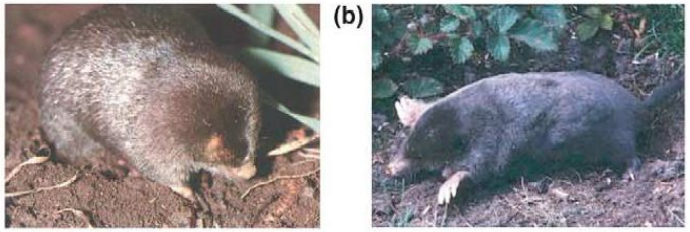
Diagram to show the development of a mammalian embryo inside its membranes. The stage represented is one at which the embryo, though well formed, is still of small size.


MESOZOIC
CENOZOIC
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Ma
Triconodonts
Multituberculata
Paleoryctoids
Condylarthra
Creodonta
Monotremata
Marsupialia
Edentata
Pholidota
Lagomorpha
Rodentia
Macroscelidea
Primates
Scandentia
Dermoptera
Chiroptera
Insectivora
Carnivora
Artiodactyla
Cetacea
Tubulidentata
Perissodactyla
Hyracoidea
Proboscidea
Embrithopoda
Desmostylia
Sirenia


(a)
Monotremata
Marsupialia
Xenarthra
Insectivora
Rodentia
Lagomorpha
Macroscelidea
Anagalida
Scandentia
Primates
Dermoptera
Chiroptera
Archonta
Pholidota
Carnivora
Tubulidentata
Cetacea
Artiodactyla
Perissodactyla
Hyracoidea
Proboscidea
Sirenia
Ungulata
(b)
Monotremata
Marsupialia
Afrosoricida
Macroscelidea
Tubulidentata
Proboscidea
Hyracoidea
Sirenia
Afrotheria
Xenarthra
Xenarthra
Dermoptera
Scandentia
Primates
Lagomorpha
Rodentia
Euarchontoglires
Eulipotyphla
Carnivora
Pholidota
Perissodactyla
Cetartiodactyla
Chiroptera
Laurasiatheria

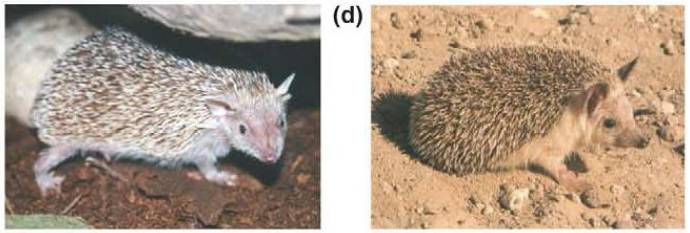
Afrotheria | Laurasiatheria

(a) (b)



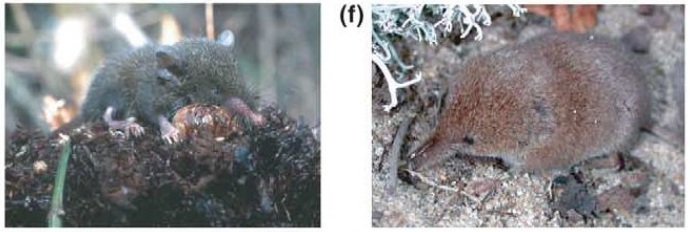
Mole-like

(c) (d)



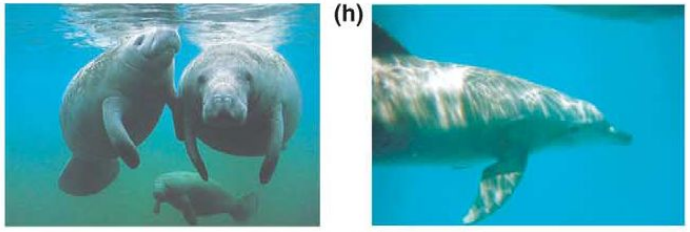
Hedgehog-like

(e) (f)



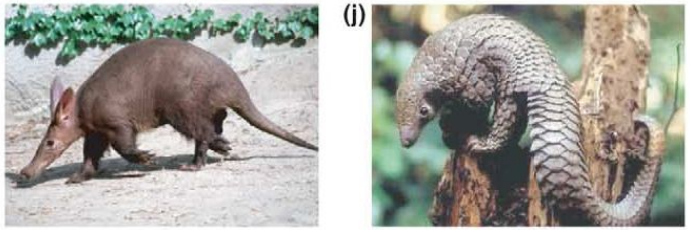
Shrew-like

(g) (h)



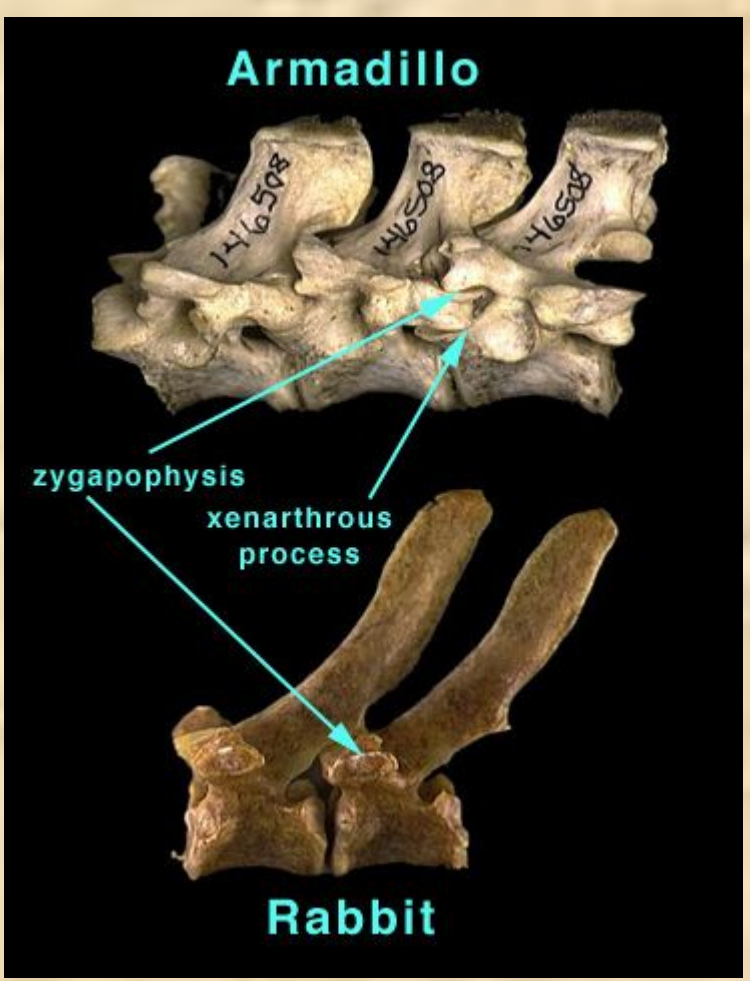
Fully aquatic

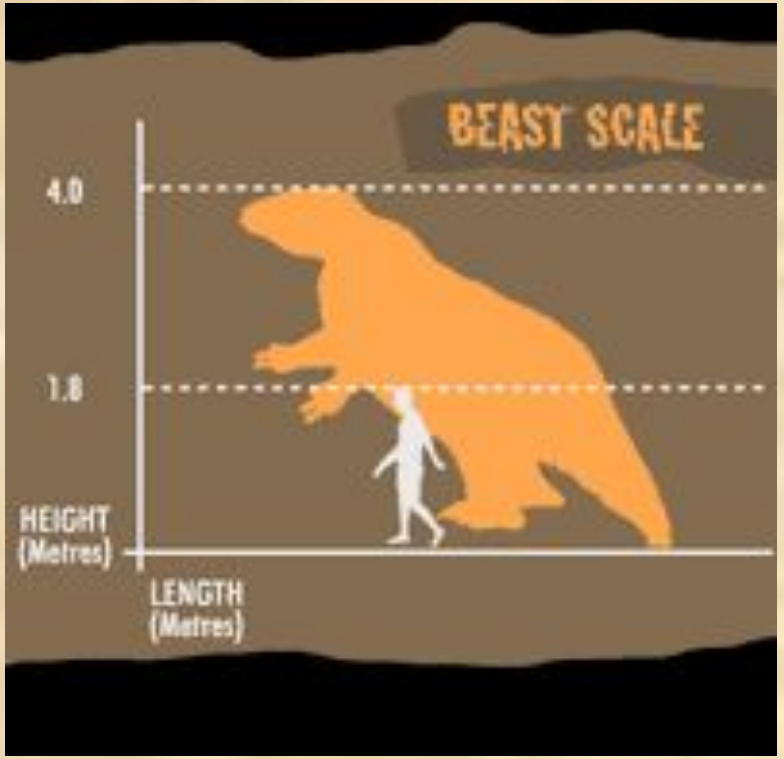
(i) (j)



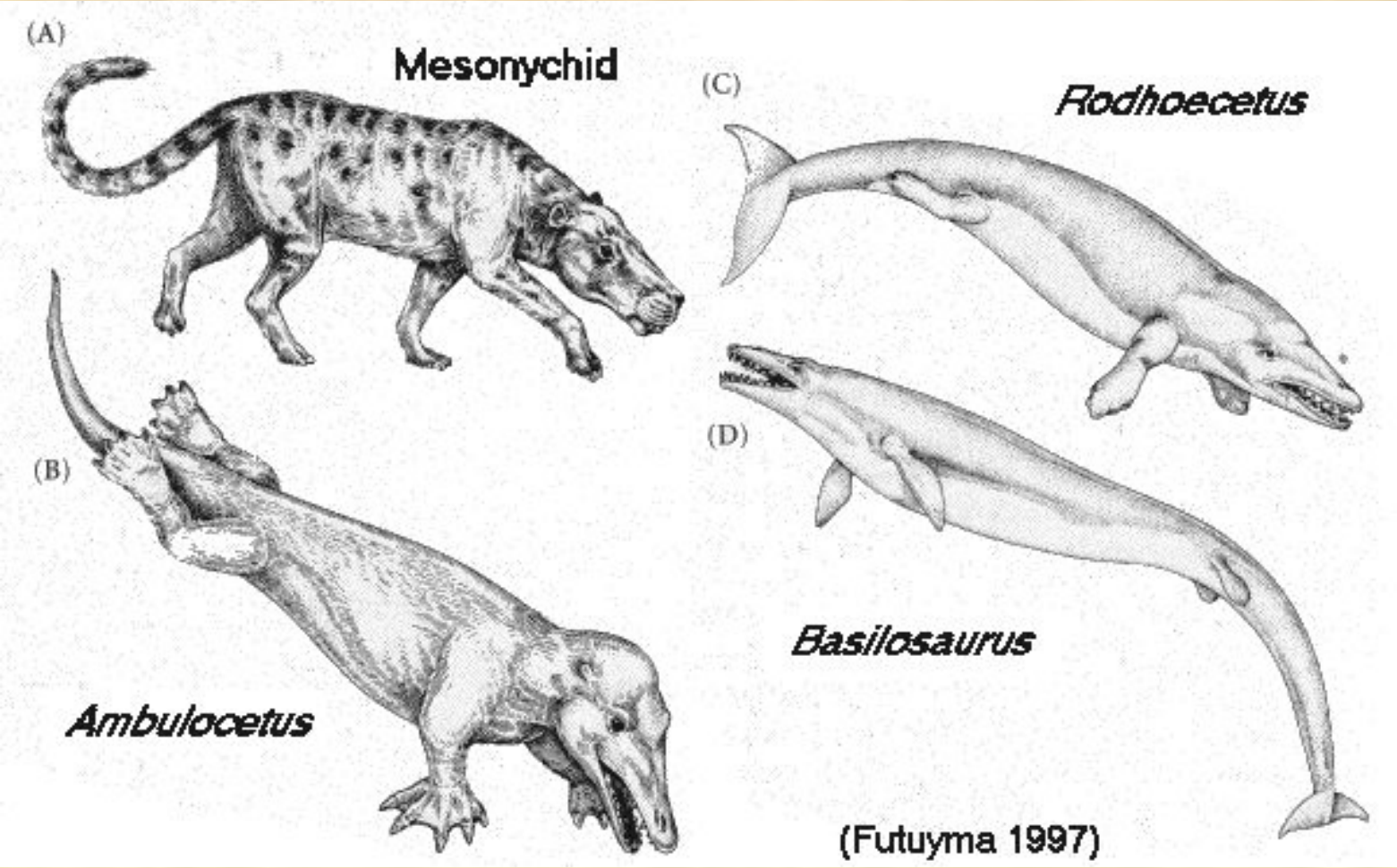
Afrotheria

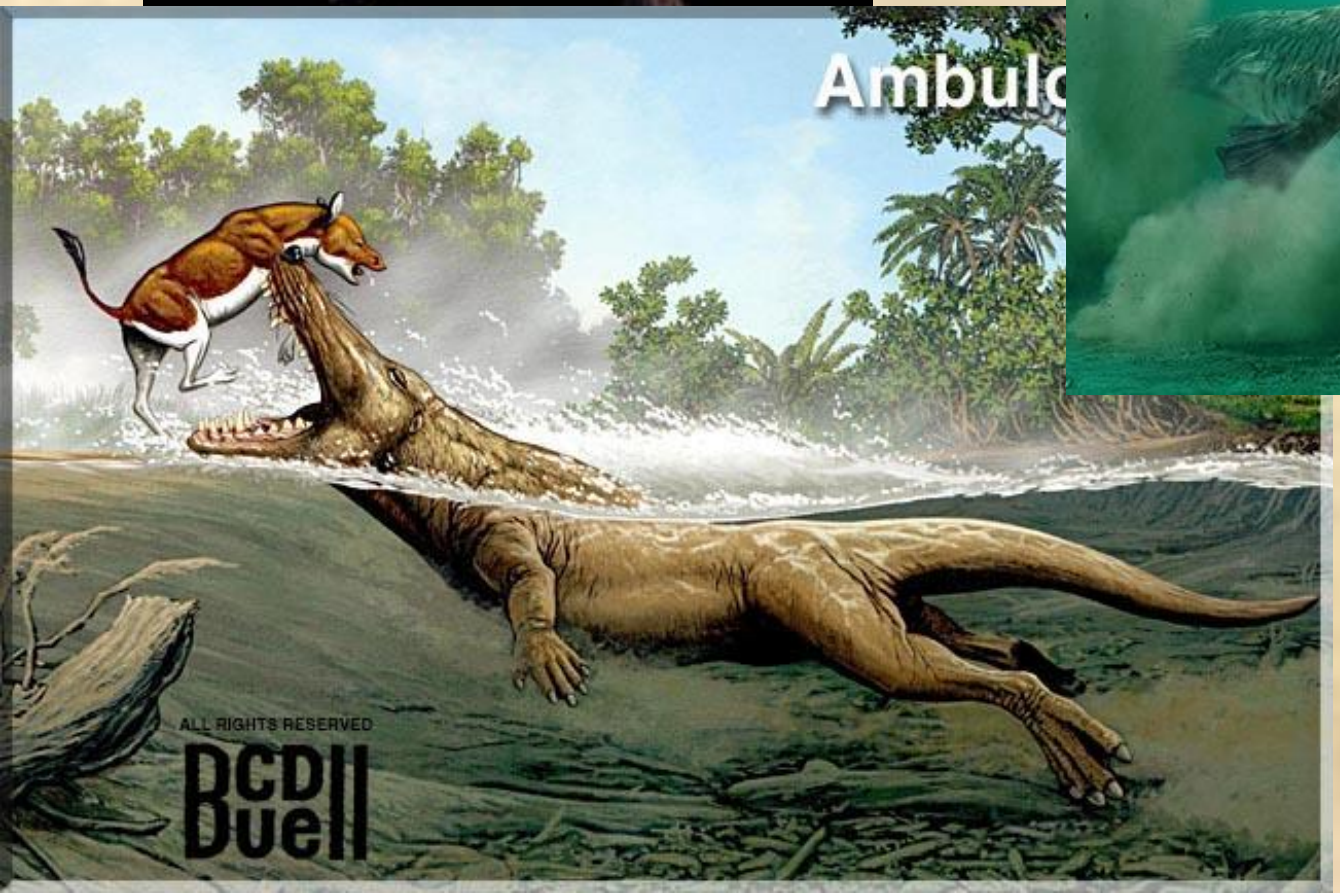
Xenarthra




BEAST SCALE
4.0
1.8
HEIGHT
(Metres)
LENGTH
(Metres)

Cetartiodactyla




Ambulo
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BCD
Buell