

Les ancêtres des cétacés

Il y a 60 millions d'années...

retour à l'océan

Artiodactyle

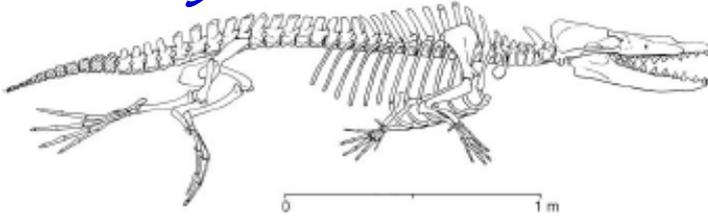


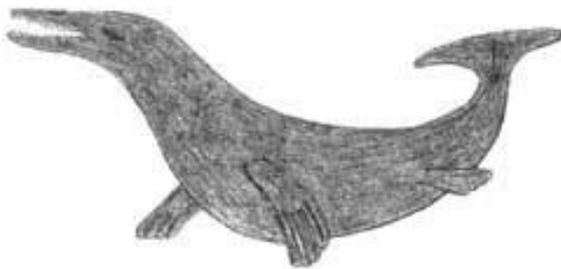
Fig. 3. Composite restoration of the skeleton of a paddling *Rodhocetus kasrani* (R) to show the morphology of this primitive protocetid. Limbs are scaled up 16% from *R. balochistanensis*, with the scapula restored from *A. clavii* and the proximal humerus restored from slightly later protocetids. Terminal vertebrae of the tail (hatched) are conjectural, and the tail was almost certainly longer than shown here. Forelimbs were probably folded against the body during rapid swimming by pelvic paddling at the sea surface and during rapid swimming by pelvic paddling and caudal undulation when submerged. On land, *Rodhocetus* supported itself on hoofed digits II, III, and IV of the hands and on the plantar surfaces of the feet, and probably progressed somewhat like a modern eared seal or sea lion. Illustration: Doug Boyer.



Il y a 55-50 millions d'années...

Pakicetus - Protocetus

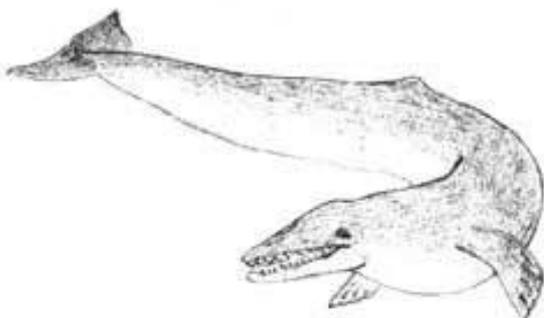
les baleines primitives



Il y a 45 millions d'années...

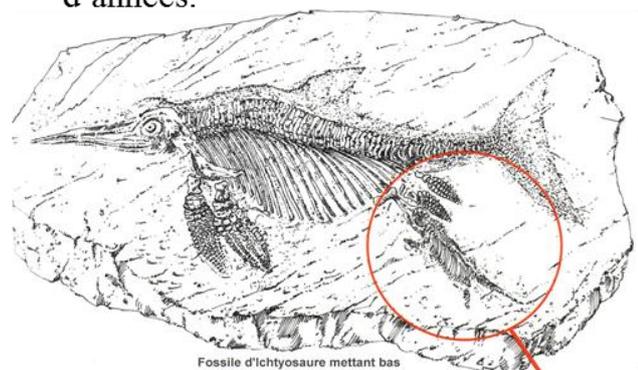
les archéocètes évolués

Basilosaurus



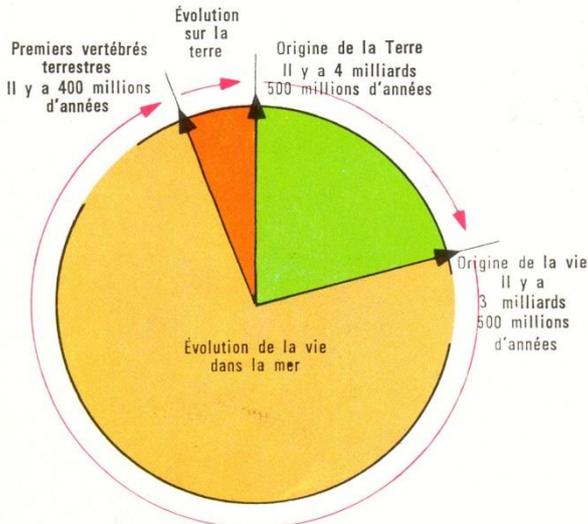
Disparus ...

Les *Ichtyosaures* et *Plésiosaures*, dinosaures du Crétacé, ne sont pas les ancêtres des Cétacés mais des reptiles adaptés au milieu marin qui ont disparu voici quelque 90 millions d'années.



Fossile d'Ichtyosaure mettant bas

Un peu d'histoire ...



Si la Terre avait 1 mois...

lundi	mardi	mercredi	jeudi	vendredi	samedi	dimanche
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Jour 1 : origine de la Terre

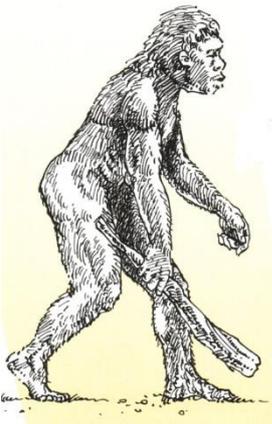
Jour 30, à minuit :
apparition de l'Homme

(1 jour = 150 millions d'années)

Précambien
Paléozoïque
Mésozoïque
Cénozoïque

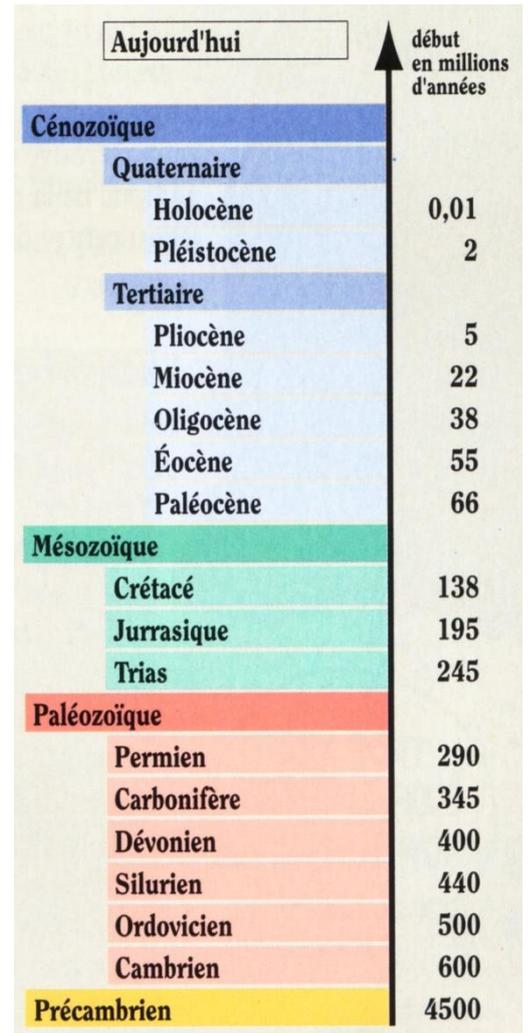
Australopithèque

3 millions d'années

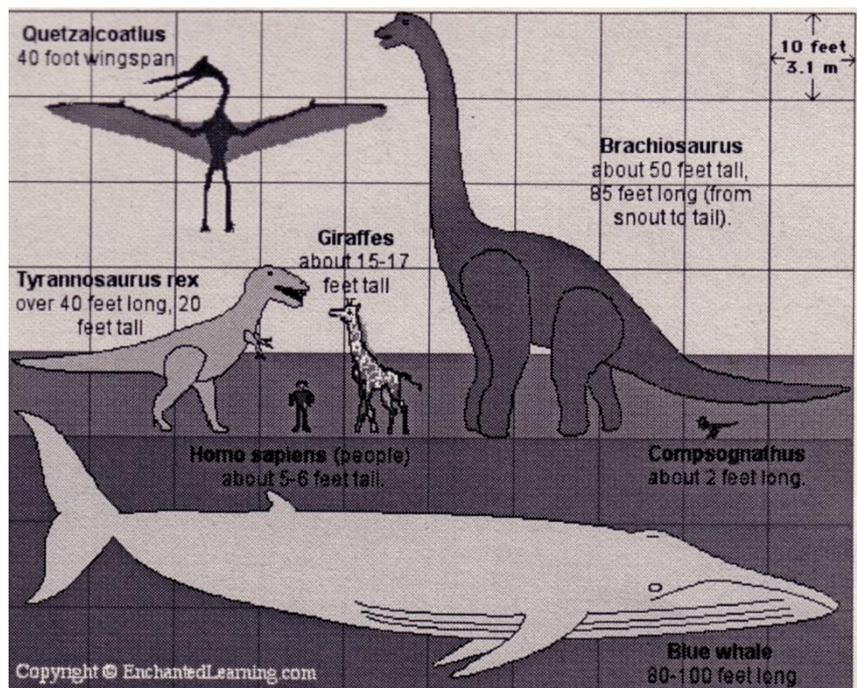


Homo sapiens sapiens

homme moderne



Histoire de tailles ...



Fiche conçue par Annabelle Cuttelod pour la SCS - 2004