

Marine reptile intro:

-They are not dinosaurs (nor even archosaurs, for the most part)

*Skulls: diapsid is standard reptile, “anapsid” is no fenestration=primitive condition+secondarily evolved in turtles from diapsid, “euryapsid” also secondarily evolved from loss of lower temporal bar (like lizards)

Late Permian return to the sea for reptiles: mesosaurs, ***

Started with shallow water forays, then went deeper

Evolution of limb morphology, body shape

Pic Error shastasaurus had no dorsal fins

Pic error mixosaurus probably could not leap

Prolacertiforms: Permian-Triassic

Infraclass Archosauromorpha

Order PROLACERTIFORMES

Family Protorosauridae

- Protorosaurus

Family Prolacertidae

- Kadimakara
- Pamelaria
- Prolacerta

Jesairosaurus

Malerisaurus

Macrocnemus

Langobardisaurus

Boreoprincea

Cosesaurus

Family Sharovipterygidae

- Sharovipteryx

Family Tanytrophidae

- Tanytrachelos
- Tanytropheus
- Dinocephalosaurus

*Week 0?