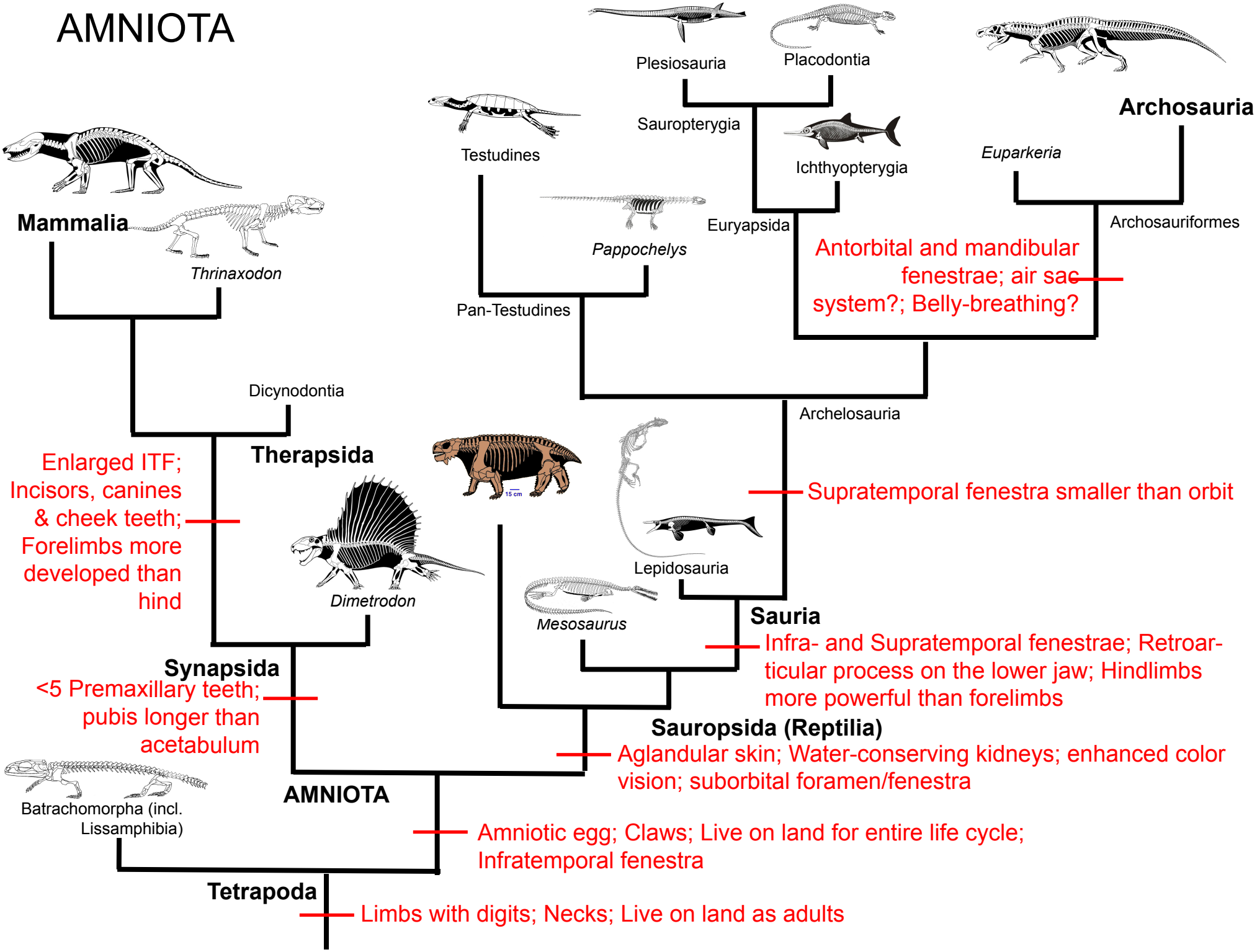
AMNIOTA


Plesiosauria
Placodontia
Sauropterygia
Ichthyopterygia
Archosauria
Euparkeria
Testudines
Euryapsida
Archosauriformes
Mammalia
Thrinaxodon
Pappochelys
Antorbital and mandibular fenestrae; air sac system?; Belly-breathing?
Pan-Testudines
Dicynodontia
Archelosauria
Therapsida
Enlarged ITF; Incisors, canines & cheek teeth; Forelimbs more developed than hind
Supratemporal fenestra smaller than orbit
Dimetrodon
Lepidosauria
Mesosaurus
Sauria
Infra- and Supratemporal fenestrae; Retroarticular process on the lower jaw; Hindlimbs more powerful than forelimbs
Synapsida
<5 Premaxillary teeth; pubis longer than acetabulum
Sauropsida (Reptilia)
Aglandular skin; Water-conserving kidneys; enhanced color vision; suborbital foramen/fenestra
Batrachomorpha (incl. Lissamphibia)
AMNIOTA
Amniotic egg; Claws; Live on land for entire life cycle; Infratemporal fenestra
Tetrapoda
Limbs with digits; Necks; Live on land as adults