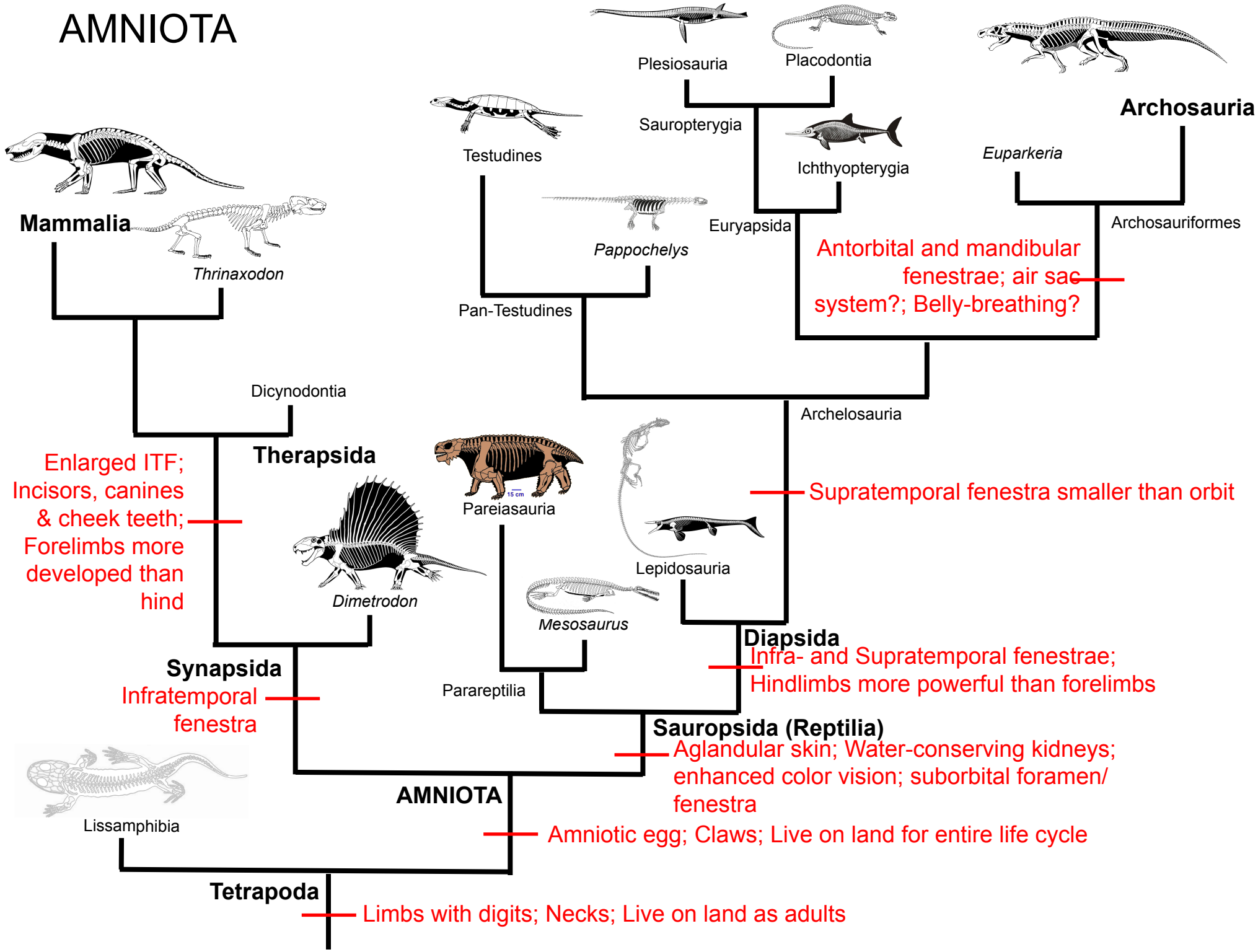
AMNIOTA
Plesiosauria
Placodontia
Sauropterygia
Testudines
Ichthyopterygia
Archosauria
Euparkeria
Mammalia
Thrinaxodon
Pappochelys
Euryapsida
Archosauriformes
Antorbital and mandibular fenestrae; air sac system?; Belly-breathing?
Pan-Testudines
Dicynodontia
Archelosauria
Therapsida
Enlarged ITF; Incisors,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