

REPTILES → True Land vertebrates**REPTILES TIMELINE**

- Reptiles flourished → Mesozoic period (225-65 million years ago)
- Climate conditions → Favorable
- Reptiles derived → Dinosaurs → Jurassic (195-136 mya)
→ Cretaceous (136-65 mya)
- Crocodiles → Bird evolved

CHARACTERS

- Skin → Dry skin, Scaly, No glands

SKELETON

- Bony endoskeleton
- Exoskeleton
 - Nails
 - Epidermal scales
 - Claws → digits
 - Teeth
 - Pentadactyle → (Five Fingers)

BODY DIVISION

- 4 Regions or Division

→ Head

→ Neck

→ Trunk

→ tail

CIRCULATORY SYSTEM

- Heart → 4-chambers
 - 2-Auricle
 - 2-Ventricle → partially divided
- Pair of Systemic arch
- Blood → Red colour → haemoglobin → pigment

RESPIRATORY SYSTEM

- Lungs → Spongy texture

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• Lungs → spongy texture

• Gills → Embryonic stages

EXCRETORY SYSTEM

• Paired kidneys → Metanephric

• uric-acid-crystals → Uricotelic

REPRODUCTION

• Sexes Separate

• Copulatory organ → Internal fertilization

• oviparous → Lay egg → shelled
→ egg → large amount yolk

EXTRA EMBRYONIC LAYERS

→ Protective-Embryonic-Layers

→ Amnion

→ Chorion

→ Allantois

→ Yolk Sac

→ AMNIOTS

HIBERNATION

• cold-blooded

• winter-sleep

EXAMPLES



Lizard



Snake



Living Fossil

Sphenodon
Tuatara



Crocodile