







6) The larvae and aquatic adults have lateral line system.

7. Vertebral ~~column~~ ~~column~~ column long and the vertebrae opisthocoelous and amphicoelous.

8) Some species are with external gills.

9) Exhibit neoteny.

10) Fertilization is internal.

Urodela has five suborders —

1) Cryptobranchioides — e.g. Hynobius

2) Salamandroides — e.g. Salamanders.

3) Ambystomoides — e.g. Ambystoma.

4) Meantes — Siren

5) Proteida — Necturus & Proteus.

② Order 2 — Anura or Salientia

1) Anurans are short, four legged and stout bodied animals.

2) Tail absent.

3) Forelimbs short, hind limb long and helps in long jump.

4) Well developed eyelids.

5) Vertebral column short.

6) Gills absent in adult.

7) Tongue may be present or absent.

8) Respiration pulmonary, cutaneous or buccal.

9) Fertilization external, development through metamorphosis.

Order Anura is also subdivided into five suborders —

- 1) Amphicoela — e.g. Liopelms.
- 2) Ophisthocoela — e.g. Alytes, Pipa
- 3) Procoela — Bufo, Hyla
- 4) Anomocoela — Pelobates
- 5) Diplastrocoela — Rana and Rhacophorus.

### Order 3 - Apoda or Caecilia

- 1) Worm like, elongated, limbless burrowing creatures.
- 2) Body smooth, slimy and segmented by a series of annular grooves.
- 3) Tail short or absent.
- 4) The skin contains concealed calcified scales.
- 5) Vertebrae are amphicoelous. Girdle absent.
- 6) Lidless eyes are covered with opaque skin and are nonfunctional.
- 7) Males have protrusible copulatory organ.
- 8) Heads bear a peculiar sensory minute protrusible tentacles.
- 9) Fertilization may be external or internal.
- 10) Eggs are large and yolky.
- 11) Most of the apodans are oviparous but some are viviparous.
- 12) Some of the apodans e.g. Dethyophis shows highest degree of parental care having their eggs in the coils of body while molting.