

# COMPARATIVE ANATOMY OF CHORDATES

## superclass: Tetrapoda

### class: Amphibia

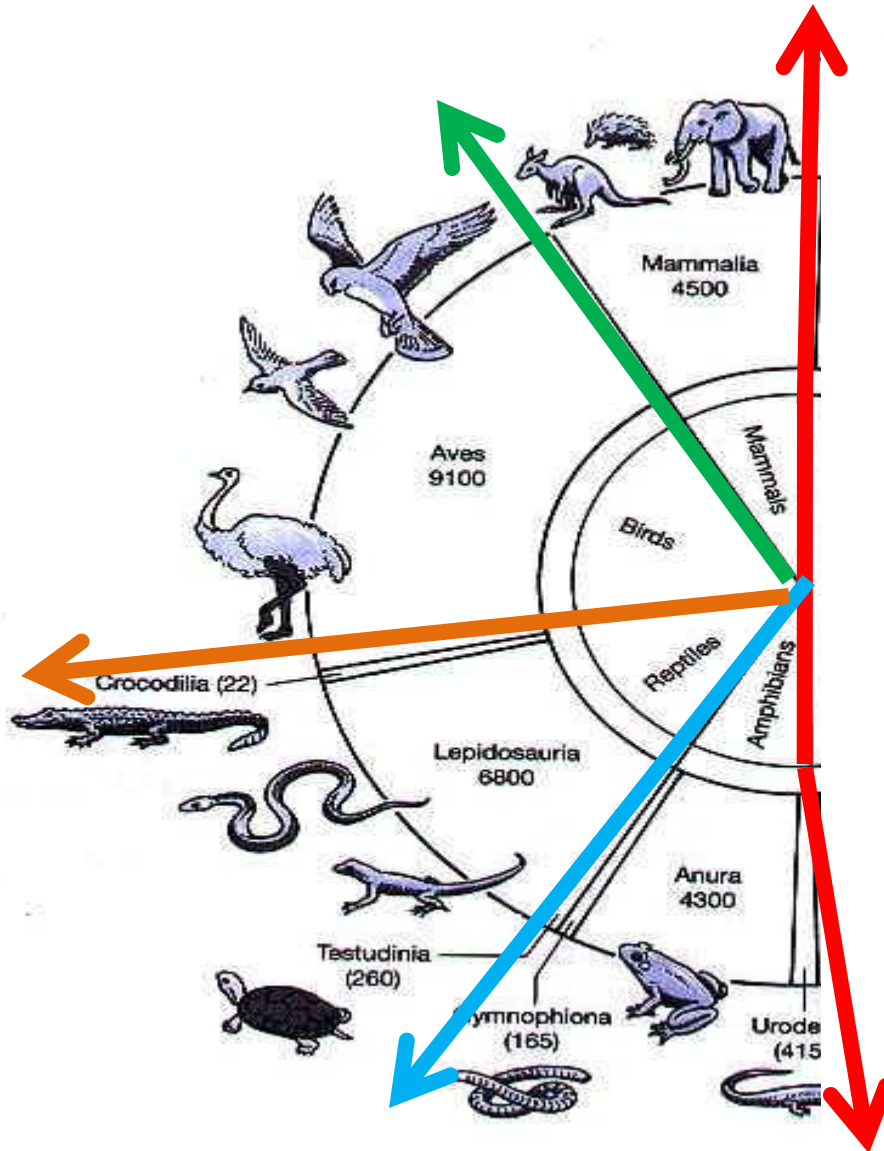


Dr. Hewa (23/11/2017)

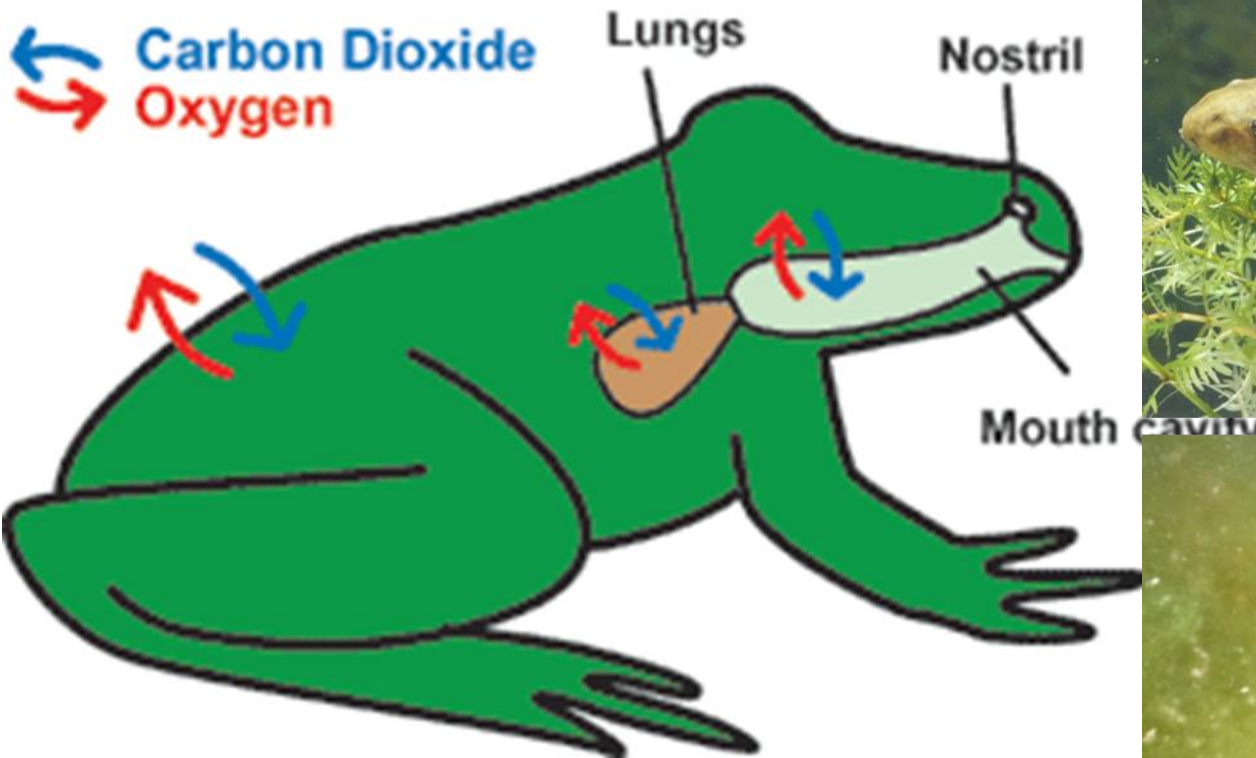
Mr. Hewa Mohammad Ali



# Superclass: Tetrapoda includes the class of



**Respiration**, there are three types of respiration: **buccal**, **skin** and **pulmonary** (lung) respiration. Skin respiration is more active during hibernation. Amphibian larvae by gills.



Cold blooded. Body temperature is dependent on surrounding environment.

## Cold-blooded ANIMALS



↳ depends on whether its cold or hot, outside.



**Class:Amphibia**  
divided into three orders

1 -**Order: Anura**

**The body** is divided into two regions: the **head** and **trunk**.

The frog has **no neck** and lack tails **in the adult** stage.

The head and trunk are fused, **the trunk** follows immediately behind the head and there is no neck region.

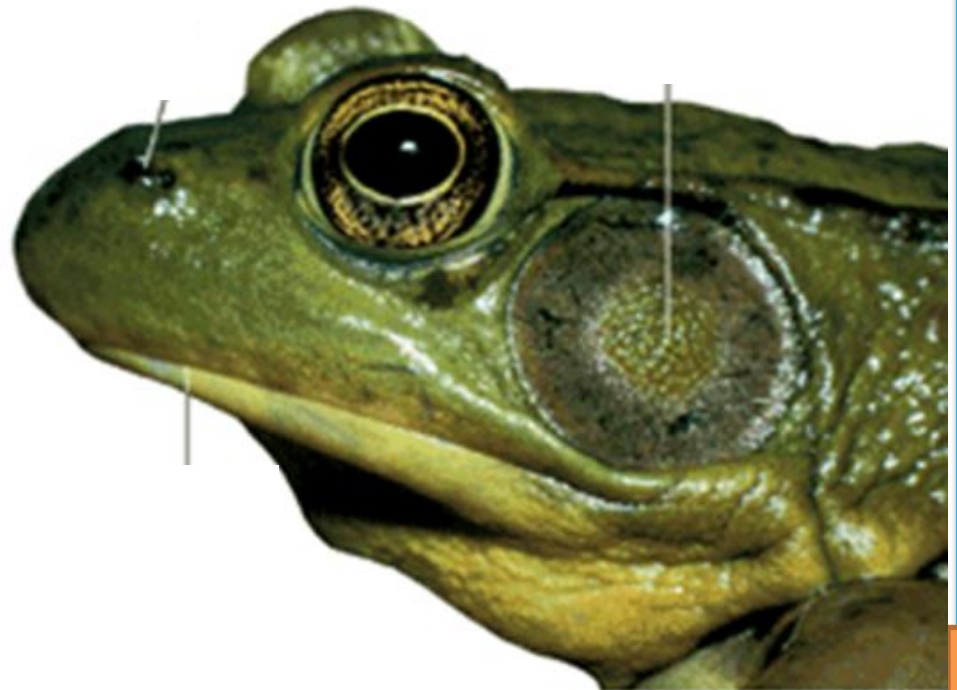
Anuras they have a **short body**, and **long strong legs** which are good for jamping.



**The skin** is smooth, mucus glands, poison gland, major role in respiration. The Scale are absent.

**Snout**:the anterior blunt tip of the head.

**Mouth** : ventral side, pry open the lower jaw, sticky tongue (catches bugs).



**External nares or nostrils** -paired opening located at on the snout, anterior of the head and anterior to the eyes, and connected to internal nares (can be used for respiration).

