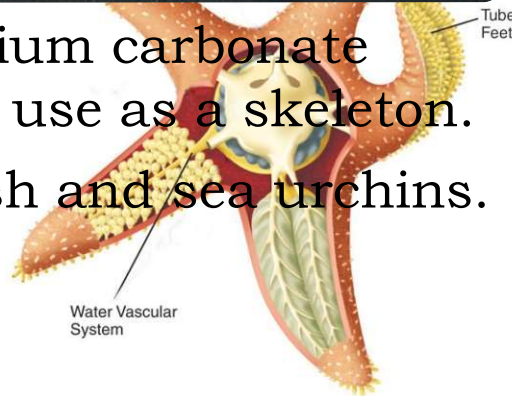


Echinodermata

Echino means spines
Derma means skin

- They have a water vascular system that they use for moving around.
- They have hard calcium carbonate structures that they use as a skeleton.
- They include starfish and sea urchins.



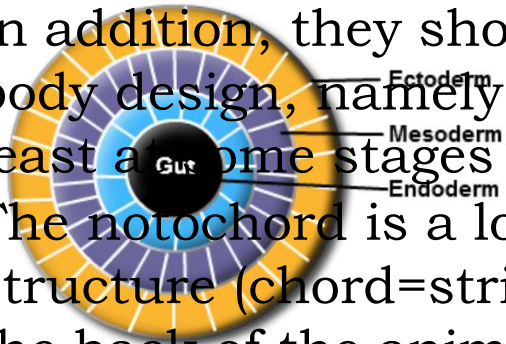
Protochordata

Proto means first

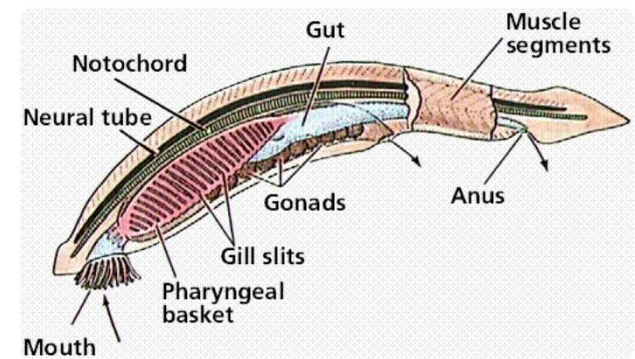
**Chordata means
organisms showing
notochord**

trical, triploblastic and have a

- In addition, they show a new feature of body design, namely a **notochord**, at least at some stages during their lives.
- The notochord is a long structure (chord=string) the back of the animal nervous tissue from the gut.
- It provides a place for muscles to attach for ease of movement.



**A rod-like main
supporting
structure of the
body.**



- Protochordates may not have a proper notochord present at all stages in their lives or for the entire length of the animal.
- Protochordates are marine animals.
- Examples



Balanoglossus



Herdmania



Amphioxus