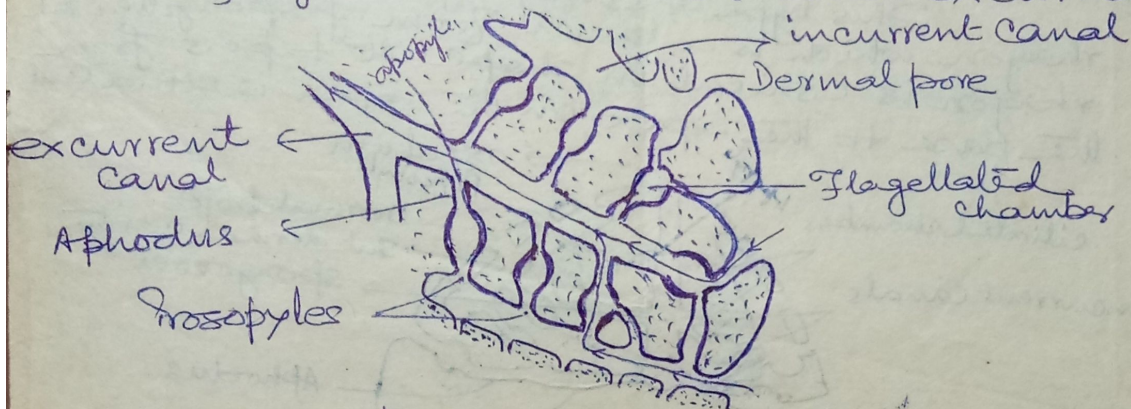


or apopyles into the excurrent canal and receive their water-supply from incurrent canals through the prosopyles.

⑤ Aphodals :->

In the second sub-type, a narrow canal or a short tube is formed between flagellated chamber and excurrent canal.

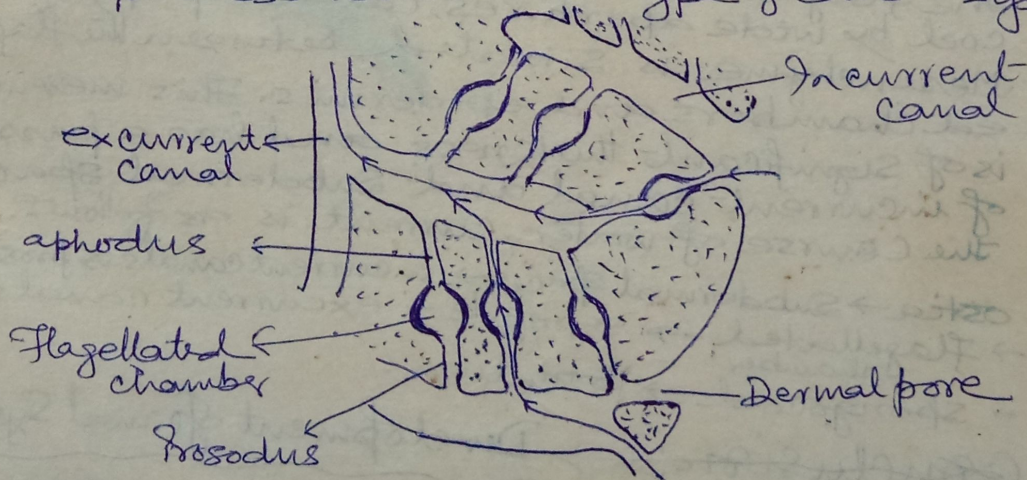


Leuconoid type with aphodal chambers

this tube is called aphodus. The system is called aphodal.

⑥ Diplodal :->

In this third sub-type, a narrow tube called prosodus is additionally present between flagellated chamber and incurrent canal. The majority of sponges possess leuconoid type of canal system.



Leuconoid type with diplodal chambers

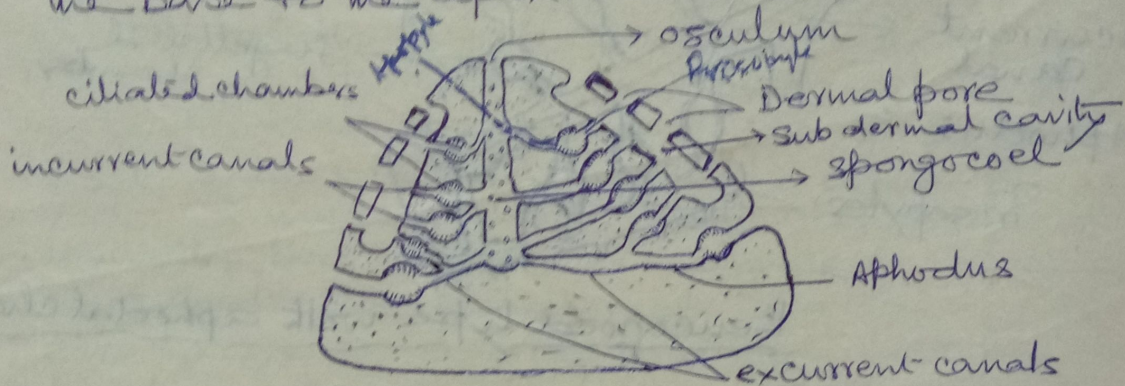
The characteristics of the leuconoid system are: limited limitation of choanocytes to small chambers, formation of thick mesenchyme and complexity of incurrent and excurrent water-passages.



The course of water current is as follows  
 dermal ostia → subdermal spaces → incurrent channels → prosopyle (if present) → prosopyle → flagellated chamber → Apopyle → aphyodius (if present) → excurrent canals → large channels → osculum.

### ③ Rhagon type of Canal System: →

This type of Canal System is found in rhagon which is a larval form of spongiilla. The rhagon is conical in shape. It tapers from the base to the apex. On the apex is situated



### Rhagon type of Canal System (v.s. of Spongiilla)

an osculum. In the spongocoel are situated oval chambers, which are provided with flagellated cells. The flagellated chambers, which are provided with flagellated cells. The flagellated chambers open into the spongocoel by wide apertures, called apophyles. Mesenchyme is situated between the flagellated chambers and epidermis. This mesenchyme is of significant thickness and has a passage of incurrent canal and subdermal spaces. The course of water-current is as follows.

ostia → subdermal spaces → incurrent canals → prosopyles → flagellated chamber → apophyle → excurrent canals → spongocoel → osculum.

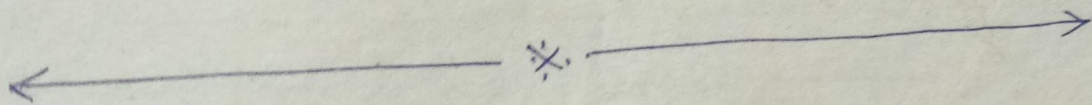
### Conclusion: → Development of Canal System

Acanthoid type → Syconoid type → Leuconoid type  
 Rhagon type



## Conclusion: →

The vast majority of sponges are constructed the leucosoid, which exhibits innumerable varieties, however this type is the most efficient of all because it allow the maximum utilization of the following water for the wall being of the sponges.



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