

Kingdom — Animalia

Salient features :-

- ⇒ multicellular eukaryotic organisms.
- ⇒ Cell without cell wall.
- ⇒ Food materials are reserved in the form of glycogen.
(Animal starch)
- ⇒ Heterotrophic in nutrition.

Phylum - Porifera [Pori - Pores, ferrous - Bearing]

Pores bearing animal.

⇒ Aquatic (Fresh water, & marine)

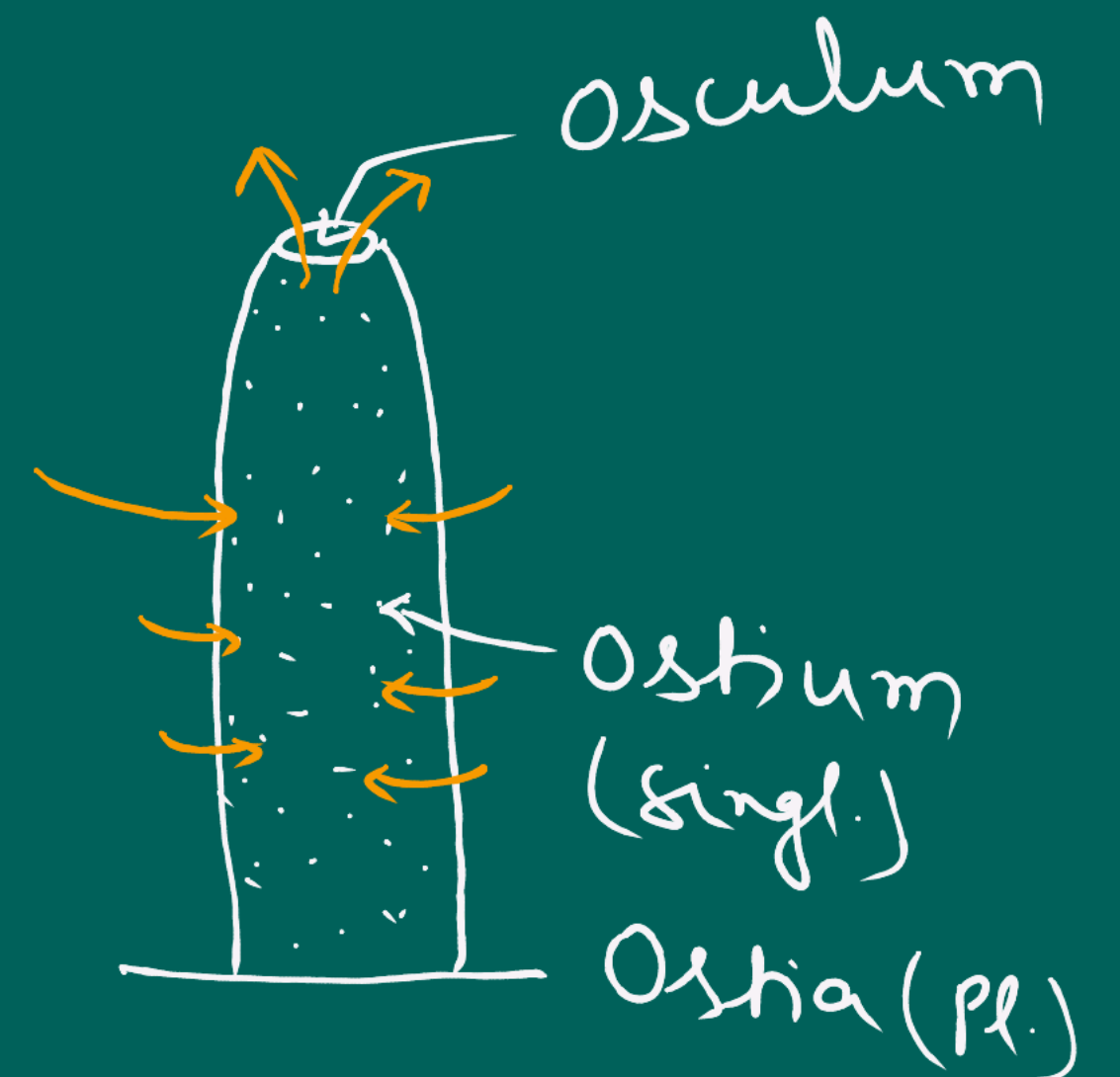
⇒ Asymmetry.

⇒ Diploblastic.

⇒ Many tiny Pores Present on body surface

Called ostia & one or more big opening present at apex is called osculum.

⇒ Water alongwith nutrient materials, gametes etc. enter inside the body through ostia & alongwith excretory products, gametes etc. leaves the body through osculum.



⇒ The central body cavity is called spongocoel.

⇒ spongocoel is lined by flagellated cells (collar cell
or choanocyte).

⇒ Water canal system.

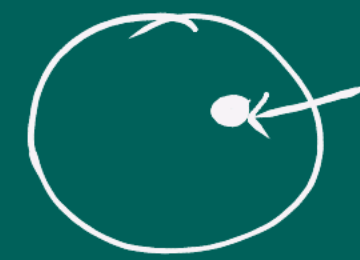
Ascon type, Sycon type
& Leucon type.

⇒ Digestion - Intracellular (Inside the cell)

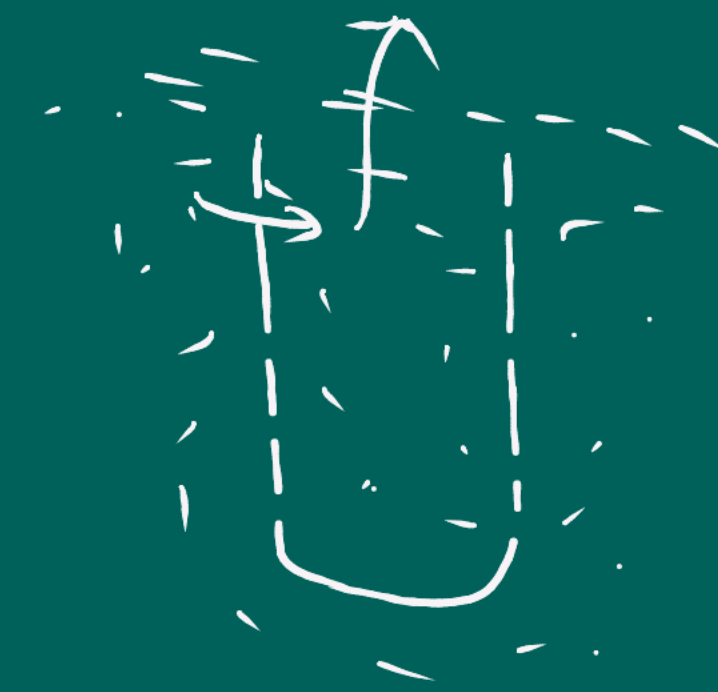
⇒ Reproduction - Sexual & Asexual.

(Regeneration)

⇒ It is mobile in larval stage but sessile
in adult.



Spongocoel



⇒ Multicellular but no tissue. (Parazoa)

⇒ Cellular grade of body organization.

Ex - Sycon, Hyalonema etc.

