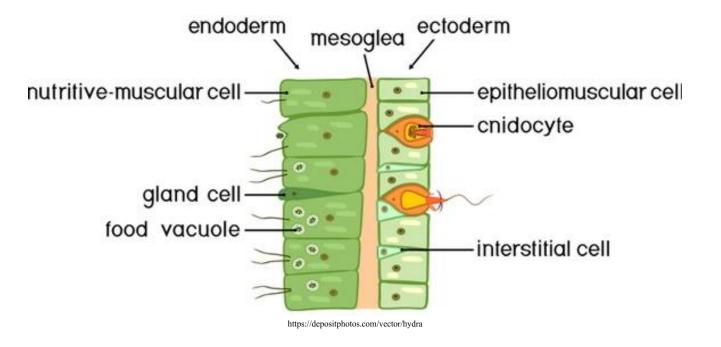


- 1. All *Aquatic*, mostly *Marine*, some *Freshwater*.
- 2. Solitary or Colonial., Sedentary or Free swiming.
- 3. Body organization is *cell-tissue grade*.

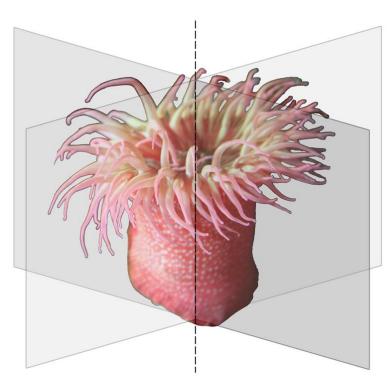




- 3. Radial or Biradial symmetry.
- 4. Body wall diploblastic.
- 5. Chitinous or Calcareous Exoskeleton



Radial symmetry

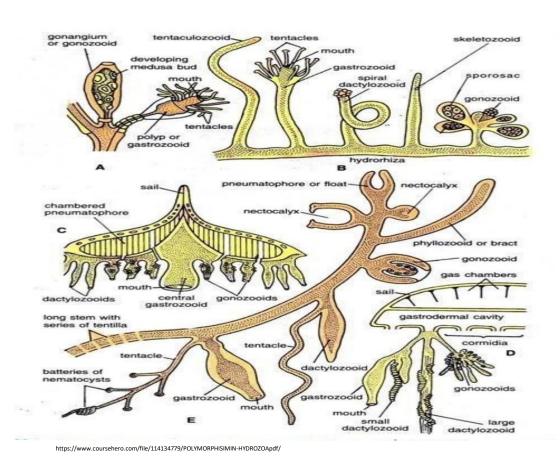


https://www.digitalatlasofancientlife.org/learn/cnidaria/

- 6. Two types of individuals occurs: **Sedentary**:- **Polyp** and **Free-swimming**:- **Medusa**, some exhibit **Polymorphism**.
- 7. Both polyp and medusa possess *Tentacles*.

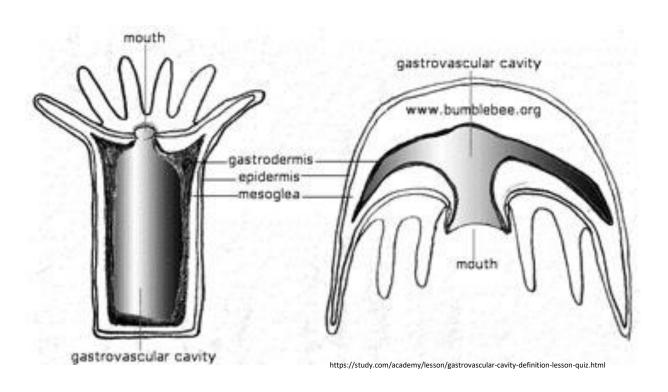


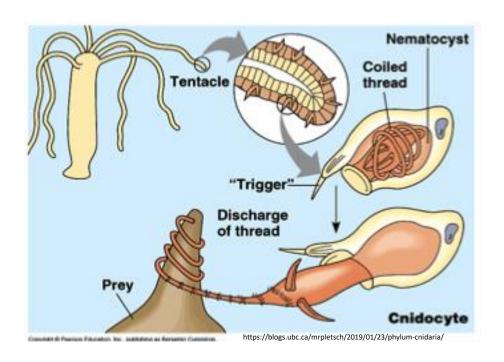




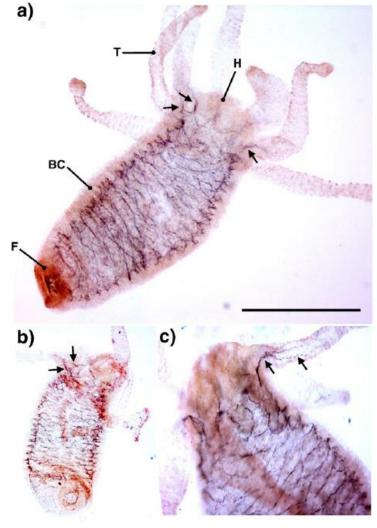
Polymorphism

- 8. Single internal cavity:- **Gastrovascular cavity** or **Coelenteron**.
- 9. Digestion is **intracellular or extracellular**.
- 10. Respiratory, Circulatory and Excretory system wanting.
- 10. **Nematocysts** or **Cnidocytes** (stinging cells) are present for adhesion, food capture and defence.

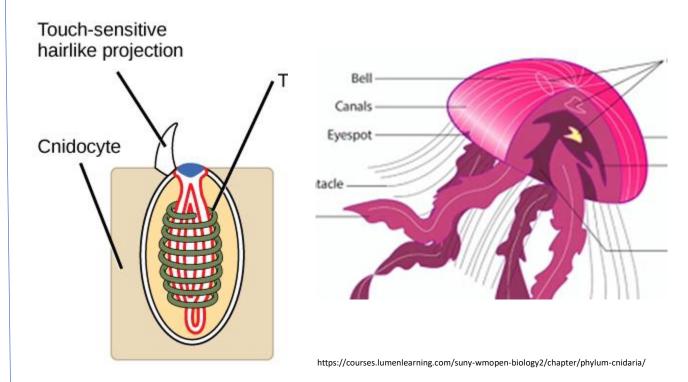




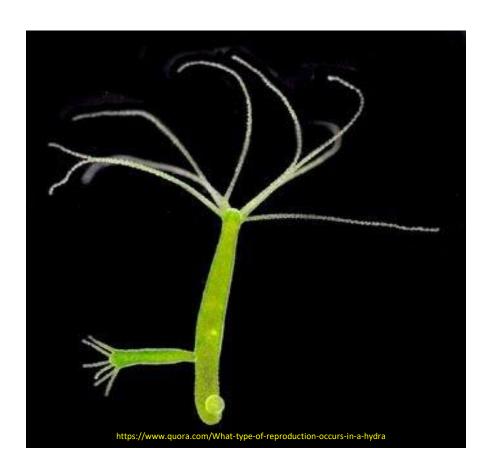
11. Nervous system is primitive consisting of **Nerve net**. Central nervous system is absent.



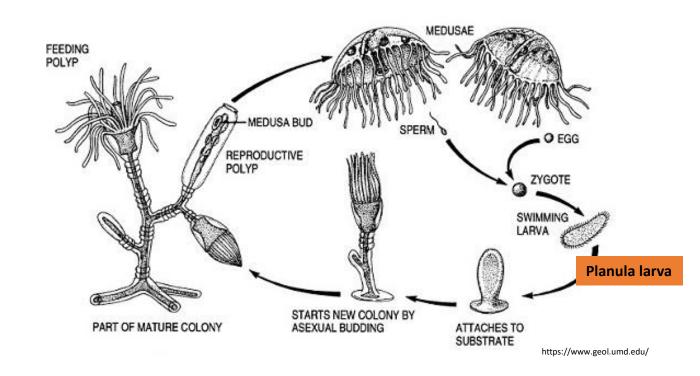
12. Sensory organ forms **ocelli** (eye spot) and **statocysts** (balance).



- 13. Reproduction: Both Asexual and Sexual.
- 14. Development includes Planula larva.
- Asexual reproduction by Budding or Fission



Sexual reproduction by ova and sperms.



Thank You