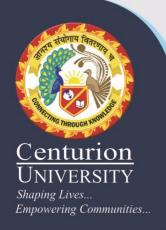


Food and feeding habits

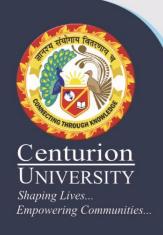
Dr. Amrutha Gopan Assistant Professor School of Fisheries Centurion University of Technology and Management Odisha



SEPIA

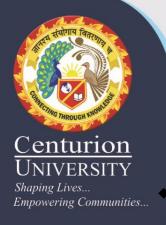
All cephalopods are carnivorous.

- The food consists chiefly of Crustacea, Mollusca and small fish.
- The tentacles are rapidly extended and attached to the living prey by the suckers.



Then the tentacles retract, so that the food is brought within the reach of the arms which hold it.

The prey is paralysed by the poisonous secretion of the salivary glands, broken into pieces by the jaws and swallowed probably by the aid of the radula.

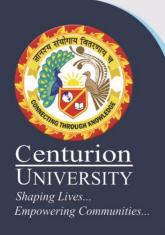


SQUIID

The squid is carnivorous, feeding on small fish, Crustacea, Mollusca and other squids.

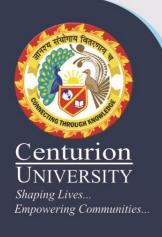
The two long tentacles, each of which is retractile into a pouch of the head, can extended forward to seize the prey, when at a distance, by their suction cups and draw it towards the mouth, where it is held firmly by other arms.

The jaws cut large pieces which are swallowed rapidly, the small radula probably seldom used.

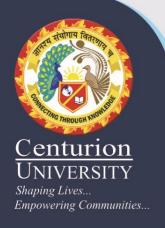


MUSSELS

- The freshwater mussels are found in ponds, lakes, rivers and streams, some in quite and others in flowing waters.
- They occur more abundantly in waters containing lime as this material is necessary for the production of their shell.
- They live nearly buried in the mud or sand at the bottom, with only the posterior tips of their shell valves exposed.
- They may also occur wedged in between the rocks and stones, with the valves slightly spread, and the two siphons exposed.



- The food consists of diatoms Protozoa other planktonic micro-organisms and organic detritus brought in by the respiratory water currents.
- The mussel is typical filter feeder and the ctenidia also serve the function to obtain food. It is a sluggish creature, incapable of actively seizing its prey.



Therefore, it obtains its food through current set in water by ciliary movements, in the manner of sedentary organisms.

Much like the sessile sponge, mussel must pump large quantities of water through its body, in order to extract food and oxygen and to get rid of the wastes.