

Week 12 - Sense and special organs in fishes

- Fish consists of many sense and specialized organs like eyes, olfactory organs, membranous labyrinth, lateral line system, electric organs and sound producing organs.
- Lateral line system consists of lateral line canals and large number of neuromast cells.
- Canals are arranged on lateral side of fish from head to tail. This system is useful in detecting water currents.
- Electric organs are found in *Tarpedo*, *Narcine*, *Raia*, *electrophorus*, *Gymnarchis*, etc.
- The electric organs are modification of muscles and nerves. The electricity is useful for protection, predation and attraction of opposite sex.
- Olfactory organs are found in the snout region of the fish. It consists of olfactory rosette, lamellae, and connects to brain with olfactory nerve. It is useful for olfaction.