

# Week 9 - Excretion and Osmoregulation in fish

- The excretory organs of fishes are mesonephric kidneys.
- Kidney is made up of large number of nephrons.
- Fishes are ammonotelic animals which excrete ammonia.
- Osmoregulatory mechanism is well developed in fishes.
- In freshwater fishes, osmotic pressure of body fluid is higher than that of surrounding water and water is diffused into the body through gills, oral membranes.
- Freshwater fishes produce a large amount of hypotonic urine.
- In marine fishes, the salt concentration is high in surrounding water when compared to body fluids. They excrete concentrated urine.