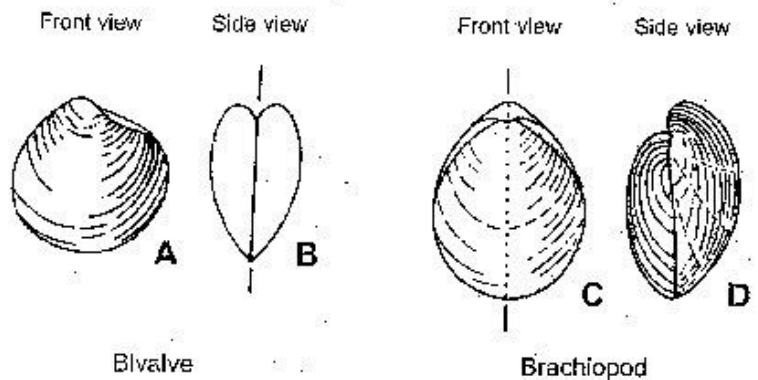


Phylum Mollusca – Class Bivalvia

- Class of marine and fresh water invertebrates with hinged shells
- Previously referred to as Pelecypoda (pelecypods)
- Includes over 9000 living species (clams, oysters, muscles, scallops)
- Majority are filter feeders
- Most species bury in sediment to protect from predators, most are modestly mobile, a few like scallops can swim
- Shell built of calcium carbonate
- Earliest bivalves were in the Cambrian Period

Clams are the longest living species on the planet. A clam found in Iceland was 507 years old. Many live 200-300 years.



Class Bivalvia

31. Genus Exogyra

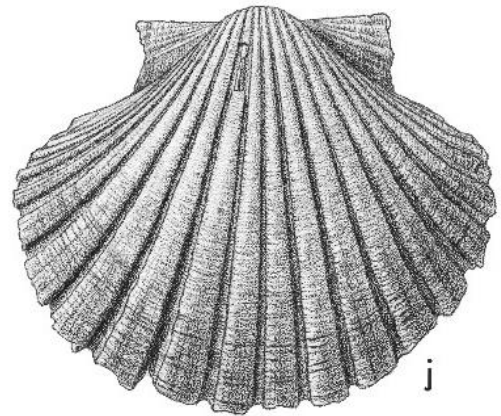


Phylum Mollusca – Class Bivalvia (cont.)

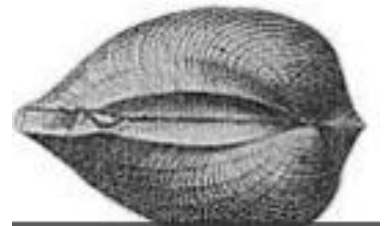
32. Genus *Gryphaea*



33. Genus *Pecten*



34. Genus *Pholadomya*



Phylum Mollusca – Class Cephalopoda

- Squids, octopuses, cuttlefish
- Occupy all water depths and all of the world's oceans, but with only ~400 species they are very reduced from when they ruled the oceans in Paleozoic
- Modern genus are not shelled, but several extinct genus, like ammonites were.
- Predators and scavengers, cephalopods are excellent swimmers
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35. Subclass Ammonoidea (Ammonites)





36. Genus *Baculites*





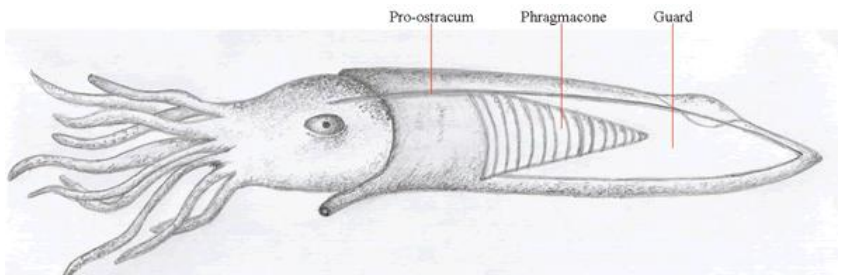
Phylum Mollusca – Class Cephalopoda

37. Genus *Dactyloceras*



Subclass Coleoidea

38. Order Belemnitida (Belemnites)



Phylum Mollusca – Class Cephalopoda

Subclass Nautiloidea

39. Genus *Nautilus*



40. Genus *Orthoceras*



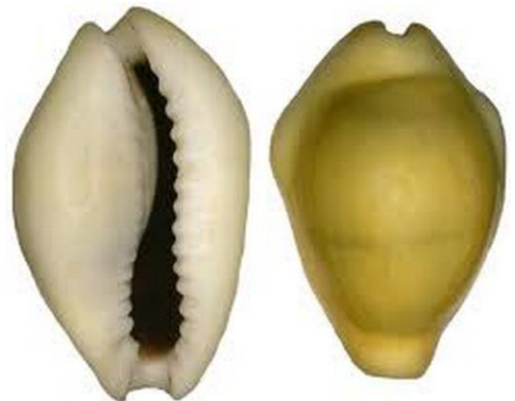
Phylum Mollusca – Class Gastropoda (snails, slugs)

- Second only to Class Insecta for number of species (>60,000)
- Salt, brackish and fresh water species (and in many environs)
- First gastropods were in Late Cambrian
- Known as “univalves”, (i.e. single shell)
- Most shells are coiled, although limpets are gastropods also
- Marine gastropods include some that are herbivores, scavengers, predators and parasites
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41. Genus *Conus*



42. Genus *Cypraea*



Phylum Mollusca – Class Gastropoda (snails)

43. Genus *Platyceras*



44. Genus *Turritella*





45. Genus *Worthenia*

