Phylum Mollusca Second Largest Animal Phylum Slugs, snails, oysters, clam, scallops, octopus, and squid



ADW Mollusca Pictures



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3. Three-part Body Plan
a. Visceral Mass- a <u>central</u> section that contains the mollusk's <u>organs</u>
b. Mantle- a layer of heavy fold tissue that forms the <u>outor</u> layer of the body
c. <u>Froot</u> - muscular region used for locomotion





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6. Radula- all except bivalves have these, tongue like organ, has thousands of pointed back

Organ Systems Only coelomates without <u>segmented</u> bodies, <u>one-way</u> digestive system



Circulation- three chambered heart and <u>open</u> circulatory system Octopus and Squid have a <u>closed</u> circulatory system

Respiration-Most use <u>illo</u>, terrestrial snails have a primitive <u>lung</u> like membrane Reproduction- Most have distinct males and females, some <u>mails</u> and slugs are hermaphrodites, some <u>source</u> and sea slugs can <u>change</u> from one sex to another and back again

Class Gastropods Snails and Slugs Size microscopic- 1 meter Some have shells some do not





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Many are herbivore that scrape with their rodula Some slugs are predator, some attack other<u>molluses</u> by making a hole in the shell and suck out the tissue









Complex memory system and a welldeveloped brains Capable exhibiting <u>complex</u> behavior Octopuses can be trained to distinguished between classes of like square and cross Some species have not vision

The eyes of some giant squid can be 40 cm long.

Squid and octopuses can release a dark to hide the direction of their escape They are Predators