

Mrs. Taylor

New Unit in Review

7th Grade Science

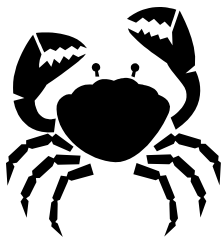
Invertebrates—Those Spineless Creatures

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History of Invertebrates

Animals without a backbone, known as invertebrates make up 97% of all animal species. As of today, there are about one million types of invertebrates names. Biologists believe there are many more that have not been discovered.



Crab
Phylum: Arthropod
Has jointed legs

Invertebrate Phylum's

Porifera

- Sponge

Cnidarians

- Medusa & Polyps
- Jelly fish, sea anemones & Hydras

Echinoderms

“Spiny Skinned Creatures”

- Starfish, sea urchins & Sand dollars

Worms

- Flatworms
- Round worms
- Segmented worms

Arthropods

Means “Jointed Legs”

- Crabs, lobsters, Insects & arachnids

Mollusks

Soft bodied animals with

Shells

- Gastropods
*snails and slugs
- Bivalves
*muscles, oysters, clams
- Cephalopods
* octopus and squid

What is Symmetry?

Asymmetric—Uneven

Radial—mirrored image on both sides (when cut in half)

Bilateral— Has a definite right and left side

Inside this Issue

- History of Invertebrates
- Phylums
- What is symmetry
- Labs
- Fascinating facts about Invertebrates



This Unit's Labs

- Earthworm Lab- Students will study the movements of earthworms

- Snail Pull Lab

How much weight can a snail pull?



- Jar Lab

Incredible specimens will be available for viewing in this fun lab.

Fascinating Invertebrate Facts

Octopus are extremely smart creatures. They have the ability to change colors to camouflage themselves to hunt or for protection. At the Monterey Bay Aquarium, there were fish and small squid thefts happening in the lab area. Video cameras were set up and to

the amazement of all of the workers, the octopus was the thief. She was opening her tank, crawling out, shimmying across the floor, and up another table to reach her prey. She then would lift the lid of the tank, reach in, grab her prey, eat, and then return to her own tank.

Giant Squid actually exist. They are the largest of all invertebrates. They range from 8 m to 25 m in length. They can weigh as much as 2000 kg. A giant squid's eye may be as large as a volleyball. Scientists have only been able to study dying or dead giant squid.