Marine Life Survey III – Phylum Chordata

- Animals with backbone (or notochord in primitive forms)
- Fish, amphibians, reptiles, birds, mammals
Chordata

“Agnaths” - Lack vertebrae

Hagfish ("Slime Eels")
Scavengers

Lamprey - parasitic
Chordata

Pisces

Chondrichthyes
(Cartilaginous fish)

• Sharks, sawfish, rays
• Carnivores

White Tip Shark

Hammerhead Shark

Nurse Shark
Sawfish
Chordata

Pisces
Chondrichthyes
Rays

Manta Rays
Plankton Feeders
Komodo Island, Indonesia
Grouper

Chordata
Pisces
Osteichthyes
Bony Fish

Grouper
Top predator and important commercial species
Chordata

Reptilia

• Turtles
• Sea snakes
• Marine iguanas
• Salt water crocs
Chordata
Reptilia
Chelonia
Sea Turtles

Grazers
Life saving tip #16, avoid sea snakes, especially during the mating season!
Chordata
  Mammalia
    • Whales & Dolphins
    • Manatees/Dugongs
    • Sea Otters
    • Seals, Sea Lions, & Walruses
    • Polar Bears
Chordata
  Mammalia
  Cetacea
  Baleen Whales
  Toothed Whales

Blue Whale
• baleen whale
• largest animal on earth (ever)
• plankton feeder
Killer Whales

Toothed Whales

Pack predators on whales and seals ("wolves of the sea")
Cetacea
Dolphins
Piscivores
Chordata
  Mammalia
  Sirenia
  “Manatees”
  Grazers
Sea Otters
Tool Users
Chordata

Mammalia
Pinnipedia
Seals, Sea Lions, and Walrus

Piscivores
(also feed on Sea Urchins)
Polar Bears
Chordata

Aves

• Penguins *

• Pelicans *, Gulls, Terns, Frigate Birds, etc.

*Piscivores
Chordata
Aves
Juvenile Frigate Birds
Alacranes Atoll, MEX
Gulls and Terns

Chordata
Aves

Gulls

and

Terns
Chordata

Aves
Pelicans