

Marine Ecology Nekton Project

Choose a family of nekton. You are not limited to the ones listed below; however, there can be no topic repeats within the class. **Write a research paper of 800–1,000 words, not including a works cited with at least four sources.** The paper will be submitted directly to www.turnitin.com, which is a website that automatically checks for plagiarism. **Any plagiarism score above 20% will result in a zero for the assignment** (5-10% is normal due to quotations, common phrases, etc.). Papers may be resubmitted up until the due date should you discover errors or a high plagiarism score. At a minimum, papers should address the following topics;

1. Taxonomy and Major Species of the Family
2. Locations Found and Environment Preferred
3. Significant Adaptations and Characteristics
4. Population Threats
5. Conservation Efforts (if any)

FISH

Acanthuridae – surgeonfishes

Aulostomidae – trumpetfish

Blennidae – blennies

Carangidae – jacks

Chaetodontidae – butterflyfishes

Coryphaenidae – dolphinfishes

Diodontidae – porcupine fish

Gobiidae – gobies

Istiophoridae – billfishes

Lamnidae – white sharks

Mobulidae – manta ray

Ostraciidae – boxfish

Pomacentridae – damselfishes

Protoperidae – lungfishes

Rhincodontidae – whale sharks

Scorpaenidae – scorpionfish

Squalidae – dogfish sharks

Sphyrinidae – hammerhead sharks

Antennaridae – anglerfishes

Balistidae – triggerfishes

Bothidae – flounder

Carcharhinidae – requiem sharks

Coelacanthiformes - coelacanth

Dasyatidae – stingrays

Ginglymostomatidae – nurse sharks

Holocentridae – squirelfishes

Labridae – wrasses

Lutjanidae – snappers

Muraenidae – morey eels

Pomacanthidae – angelfishes

Pristidae – sawfishes

Rajidae – skates

Scaridae – parrotfishes

Serranidae – groupers

Sphyraenidae - barracuda

Syngnathidae - seahorses

MAMMALS

Balaenidae – right/bowhead whales

Delphinidae – ocean dolphins

Monodontidae – narwhals, belugas

Phocidae – seals

Trichechidae – manatees

Enhydra lutris – sea otter

Balaenopteridae – rorqual whales

Dugongidae – dugongs, sea cows

Otariidae – sea lions

Phocoenidae – porpoises

Ziphiidae – beaked whales

Ursus maritimus – polar bear

OTHERS

Cheloniidae – sea turtles

Loliginidae – pencil squids

Sepiidae - cuttlefish

Amblyrhynchus cristatus – marine iguana

Hydrophiidae – sea snakes

Penaeidae – panaeid shrimp

Spheniscidae – penguins

Crocodylus porosus – salt water crocodile