## Marine Science Website Project Vocab and Topic List

Website: www.students.weebly.com Login examples: bkrauz1415

password: marinesciencerules

**Directions:** You are to create a dynamic, engaging, fun, and interesting website that highlights the content from four of the units that were discussed in Marine Science this year. Each topic you choose will be assigned to a tab on your website.

You must choose 4 of the following 6 topics to cover. For each topic you choose, you must include the information outlined. All topics require at least one relevant labeled diagram and one relevant video. You must also include 5 interactive questions for each topic.

Aquaria	Osteichthyes	Chondrichthyes
-Steps to setting up the tank	-Kingdom, Phylum, Class for Bony Fish	-Kingdom, Phylum, Class of
-do's and don'ts of cleaning	-labeled external anatomy diagram Cartilaginous fish	
the tank	-body shape of the fish	-Nostrils/Nares
-substrate for FW and SW	-shapes of caudal fins (define homocercal)	-Eve
-how to set up a heater	-aspect ratio (what it measures and the	-Ampullae of Lorenzini
-temperature the tank	formula)	-Mouth
should be kept at	-fins (fin name and its function)	
-	*caudal	-Spiracles -Gill Slits
-density of FW and SW		
tanks	*pectoral	-Fins
-how to set up a drip line	*pelvic	-Claspers vs Cloaca
-how to acclimate a fish	*anal	-Counter-shading
-parts of the filter (type of	*dorsal	-Denticles
filtration and what it	-medial fins	-Ways they stay afloat
removes)	-paired fins	without a swim bladder
-pH of SW and FW tanks	-operculum	(liver)
-how to feed a starter fish	-how fish breathe	-reproductive structures
-how/when to do a water	-scales	(cloaca and claspers)
change	-lateral line	-development
-how to cycle the tank	-gills	*oviparity
	*gill arch	*viviparity
	*gill rakers	*ovoviviparity
	*gill filaments	-shark attacks
	-counter current exchange	*number
	-heart and pathway of blood through the	*reasons for attack
	body	-Human Encounters
	-ectothermic	*how many sharks humans
	-myoglobin	kill a year and how
	-hemoglobin	-How Sharks Hunt
	-swim bladder	*sound/smell
	-courtship	*vision
	-spawning and copulation	*Ampullae of Lorenzini
	-hermaphroditism	*touch
	-sex reversal	*taste

Decement's a structure	Turnetshireter	Martine Marriela
Properties of Water	Invertebrates	Marine Mammals
-chemical formula	Porifera	-list the 9 characteristics that <b>all</b> mammals
-polar	-examples	share (be sure to include the definitions of
-cohesion and adhesion	-what it means	the following terms: endothermic,
-surface tension	-filter feeders	homeotherm, altricial, heterotrophic.)
-capillary action	-sessile	
-viscosity	-types of reproduction	<b><u>Pinnipeds</u></b>
-density (include		-definition
explanation of density	<u>Cnidarians</u>	-characteristics of a seals
anomaly)	-examples	-characteristics of sea lions
-salinity	-what it means	-characteristics of walruses
-thermohaline layering	-carnivores	-how to tell the difference between them
-buoyancy	-most poisonous	-what they all eat
-refraction	-	-predators
-water pressure	<u>Mollusks</u>	-harem mating
-heat capacity	-examples	-copulation
	-what it means	-viviparity
	-how they breathe	-what are babies called
	-list the classes, their	-how is their milk content different from
	characteristics, and one	ours
	example from each	
	-characteristics of an octopus vs	Cetaceans
	a squid	-definition
	-labeled diagram of anatomy of	-Kingdom, Phylum, Class, Order
	the squid	-characteristics of all whales
	and square	-differences between toothed (odontoceti)
	<b>Echinoderms</b>	and baleen (mysticeti) whales
	-examples	-structures used in Echolocation for
	-what it means	dolphins
	-labeled diagram of the starfish	-functions of each structure (example: air
	nuccieu unugruin er une starristi	sacs>create clicks)
	Arthropod	-structures used in echolocation for sperm
	-examples	whales
	-what it means	-functions of each structure
	-characteristics	-reason why sperm whales need these
	-class crustaceans: give	special structures
	characteristics and 3 examples	special structures
	-explain why the horseshoe	-function of the blow hole
	crab is important to humans	-function of the flukes
	crao is important to numans	
		-how to tell the size of the whale when you know the size of the flukes
		Know the size of the flukes
		diving adaptations
		-diving adaptations
		-unique behaviors (spy hopping, lob
		tailing, pec-slapping, breaching, bubble-
		netting, singing)