**MARINE SCIENCE QUARTERLY 4 REVIEW**

* Marine Invertebrates
	+ What are invertebrates? What percentage of animals make up invertebrates?
	+ Phylums which make up invertebrates and their characteristics (Echinoderm, Mollusca, etc.)
	+ Feeding habits (Filter, Suspension, etc.)
	+ Phylum Chordata and its defining traits
	+ Identify squid body parts and organs
	+ What is the function of a squid’s ink sac
	+ How squid’s move through water at speed
* Fish
	+ What a niche is
	+ Function of different fish body shapes and colors (How they camouflage with their environment)
	+ Identify Bony fish structure and body parts
	+ Purpose of specific fins
	+ Examples of jawless and cartilaginous fish
	+ What adaptations make sharks effective predators?
* Marine Reptiles, Mammals, and Birds
	+ What is the name of an organism that can change their body temperature through their behavior?
	+ How do reptiles survive without access to freshwater?
	+ Adaptations in both turtles and sea birds
	+ Impact of lighting on turtle nesting
	+ What does foraging mean?
	+ Behaviors of dolphins
	+ What does rostrum mean?
	+ What are the types of relationships between species
	+ Sexual reproduction of marine life
	+ Advantages of parental care in marine animals
	+ Whale behavior and forms of communication
	+ Components of an amniotic egg and its importance in reptile evolution
	+ Advantage of using satellite tags to track and study marine animals
* Tides and Waves
	+ Identify the parts of a wave (Wavelength, Trough, Crest, Waveheight)
	+ What type of tide is a rising tide?
	+ Term describing the vertical distance between high and low tide
	+ Factors that affect wave height
	+ How do waves form and increase in intensity?
	+ Pros and Cons of a wave energy plant
	+ Environmental conditions in the intertidal zone that organisms must contend with and the adaptations they developed to live in those conditions.