**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.