

-A sharks teeth are embedded in the gums, and they have multiple teeth that are replaced in their life time. Some sharks lose \_\_\_\_\_ in their life time. Tooth replacement can vary between \_\_\_\_\_ to a couple months. The shape of a sharks tooth is determined by its diet.

-Different from bony fish. A sharks body is made up of \_\_\_\_\_ is flexible and durable. And is about half the normal density as bone. Because sharks do not have rib cages, they can easily be crushed under their own weight on land.

-Jaws of sharks, are \_\_\_\_\_ to the cranium. The jaw's surface needs extra support due to its heavy exposure to physical stress and its need for strength.

-Fin skeletons are \_\_\_\_\_ and supported with soft and unsegmented rays. Most sharks have \_\_\_\_\_. Sharks can only drift away from objects directly in front of them because their fins do not allow them to move in the tail-first direction.

-Provide thrust, making speed and acceleration dependent on tail shape. Shapes vary considerably between shark species, due to their evolution in separate environments.

-Sharks do not have gas-filled swim bladders for buoyancy. Instead, sharks rely on a large liver filled with \_\_\_\_\_. And their cartilage, which is about half the normal density of bone. Most sharks need to constantly swim in order to breathe and cannot sleep very long without sinking.

-Sharks \_\_\_\_\_ oxygen from seawater as it passes over their gills. Unlike other fish, shark gill slits are not covered, but lie in a row behind the head. While the shark is moving, water passes through the \_\_\_\_\_. While at rest, most sharks pump water over their gills to ensure a constant supply of oxygenated water.

-The food goes from the mouth to a \_\_\_\_\_ stomach, where it's stored and digested. Some never get past the stomach, instead the shark vomits or turns its stomachs inside out and gets rid of \_\_\_\_\_ items from its mouth. Differences between the digestive systems of sharks and mammals is that sharks have much shorter intestines.

-Sharks have keen senses, located in the short duct between the anterior and posterior nasal openings. Sharks can tell the \_\_\_\_\_ of a scent based on the timing of scent detection in each nostril. This method is similar to how mammals determine direction of sound.

-Shark eyes are \_\_\_\_\_ to the eyes of other vertebrates. Their eyesight is well \_\_\_\_\_ to the marine environment. Many sharks can \_\_\_\_\_ and contract their pupils, like humans. Sharks have eyelids, but don't blink because the surrounding

water cleans their eyes.

-Sharks may have a \_\_\_\_\_ of hearing and can possibly hear prey from many miles away. A small opening on each side of their heads leads directly into the inner ear through a thin channel.

-Sharks are \_\_\_\_\_ reproducers, meaning they produce a small number of developed young as opposed to a large number of less developed young. Sharks mature slowly compared to other fish.