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Shark Anatomy Cards Answer Key #2

muscles Muscles allow sharks to move their bodies during swimming, eating and mating. Powerful muscles in the tail help sharks move through the water and travel long distances. Muscles in the jaw allow some species of sharks to take powerful bites.	lateral line Made up of small hairs within pores, the lateral line senses vibrations in the water and helps sharks locate other animals in the surrounding environment. Knowing the location of other animals can assist sharks in catching prey or avoiding predators. The lateral lines are found on both sides of sharks bodies and extend from the head to near the tail.
camouflage Some species of sharks are camouflaged, which helps them avoid predators and makes it easier for them to surprise unsuspecting prey. Certain species, such as the white shark, have a special type of camouflage called counter-shading - a light belly and dark back. From above, the dark back blends in with the dark ocean below; from below, the lighter belly blends in with the surface light from above.	heart Sharks' hearts have two muscular chambers that pump blood throughout their bodies. The heart pumps low-oxygen blood to the gills, where it takes up oxygen. This oxygen-rich blood is pumped throughout the rest of their body.
intestine Sharks' intestines are spiral shaped. The spiral shape takes up less space inside their bodies, slows the movement of food and provides lots of area where nutrients can be absorbed.	stomach Most sharks swallow their food whole or bitten into relatively large pieces. Strong acids in sharks' stomachs digest the prey.
olfactory organs (nostrils or nares) Sharks have a very keen sense of smell. Some species of sharks can smell a drop of fish blood in a million drops of seawater. This characteristic allows some species of sharks to hunt injured prey. It helps other sharks find prey buried in the sand.	ampullae [am-PUY-ley] of Lorenzini (sensory pores) Ampullae of Lorenzini are small sensory pores filled with a jelly-like substance on the tip of sharks' heads. These pores help sharks detect bioelectricity - the weak electrical current that living things produce. By sensing bioelectrical pulses, some sharks can find hidden prey.

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