

Name: \_\_\_\_\_

Period: \_\_\_\_\_ Date: \_\_\_\_\_

### Shark Senses

*Watch the video clip and answer the following:*

Name the **7 senses** sharks have and give a **description** of each.

1.

2.

3.

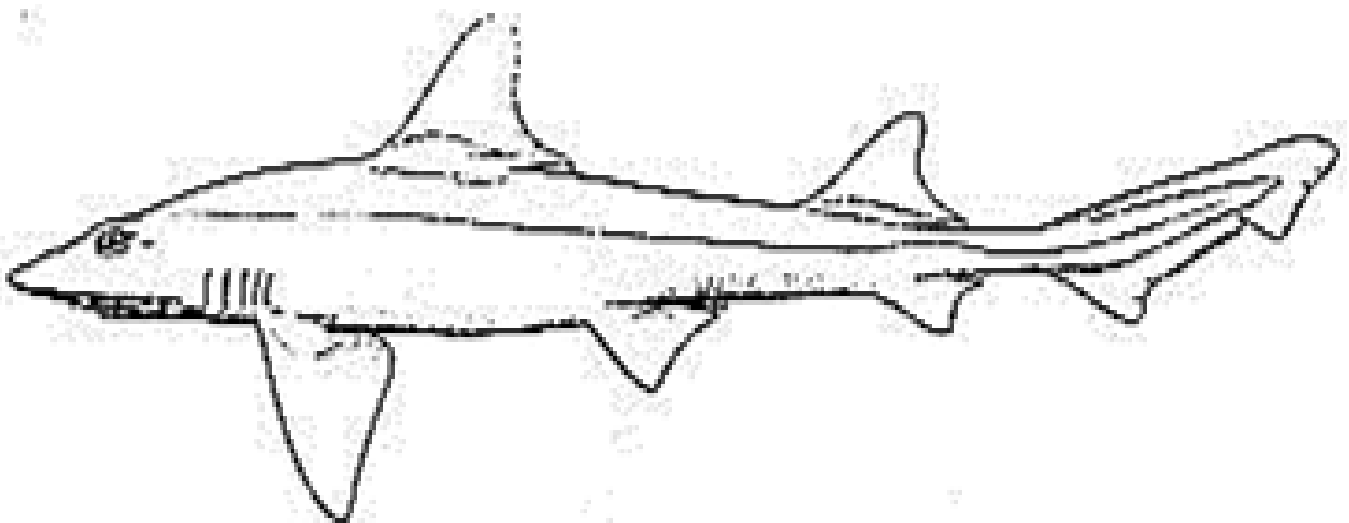
4.

5.

6.

7.

Label each of the sense on the shark diagram below.



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### Shark Facts

- There are over 400 different species of sharks
- Scientists can tell the age of a shark by counting the rings on its vertebrae (similar to how they can tell how old a tree is by counting its rings!)
- New research shows that sharks may be colorblind
- You are 1,000 times more likely to drown at sea than to be **attacked by a shark**
- Shark skeletons are made of cartilage and not bone, allowing for better flexibility
- Shark teeth have been thought to inspire the first tools created by humans, and were often used as tools themselves
- The most dangerous sharks are the Great White Shark, the Hammerhead Shark, the Tiger Shark, the Mako Shark and the Bull Shark
- Nurse Sharks are thought to be the laziest sharks, they refuse to move in cold months, have a limited diet and don't need to move to breathe like other sharks
- Unlike most animals sharks can move both their upper and lower jaws
- Funnily enough the largest sharks tend to be the most harmless, they eat plankton by swimming with their jaws wide open
- Some sharks have eyes similar to a cat's, with a mirror-like layer that allows them to see better in murky water
- Zebra Sharks actually look more like leopards with black spots, but lose the spots as they mature
- Sharks can feel vibrations in the water due to a line of canals that go from its head to its tail, these canals are filled with sensory cells growing hair, the hair moves when the water vibrates allowing them to quickly locate prey
- Shark skin is tough and hard and before the invention of sandpaper it was used to polish wood
- They have a sensory organ called 'ampullae of Lorenzini' that allows them to feel electrical currents in the water
- Sharks can smell a drop of blood in 1 million drops of water
- Sharks never run out of **teeth**, if they lose one another spins forward from rows and rows of backup teeth – A shark may grow and lose 20, 000 teeth in its lifetime!
- A shark can hear a fish in the water more than a million miles away