

## Understanding White Sharks

### Senses

In order to successfully find food and avoid predators, white sharks, like all other species, must be able to gather information from their environment.



Image courtesy of CSULB Shark Lab

1. How do you think white sharks can sense things in their environment (under water)?
2. What do you think adult white sharks prey on (eat)? What about YOY? Juveniles?
3. How do you think adult white sharks hunt their prey (food)? How about YOY? Juveniles?

### Sensory Comparison between Humans and White Sharks

	Humans	White Sharks
Most Relied On		
↑ ↓		
Least Relied On		

## Understanding White Sharks

### Where Does Lunch Come From?

Go to <https://marinebio.org/species/great-white-sharks/carcharodon-carcharias/> and <https://www.montereybayaquarium.org/animals/animals-a-to-z/white-shark> to answer the following prompts about white sharks.

- Describe the white shark's size and appearance (YOY vs. juvenile vs. adult).
- Describe what white sharks feed on at various age classes (YOY vs. juvenile vs. adult).
- Explain where white sharks are located around the world.
- Describe white shark feeding behavior for various age classes (YOY vs. juvenile vs. adult).
- Does anything in the research specifically suggest that humans are lunch for any age class (YOY vs. juvenile vs. adult)?

#### Source Check

Source	Credibility	Accuracy	Possible Bias	Methods Used	Supported by Evidence

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### How Do Senses Help Find Lunch?

Go to <https://ocean.si.edu/ocean-life/sharks-rays/great-white-shark> and list the special features (with two or three details) of white shark senses in the table below. Note if there are any differences for different age classes (YOY vs. juvenile vs. adult).

SMELL	HEARING	VISION	ELECTRO-RECEPTION	TASTE	TOUCH

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### The Lunch Line

Go to one or two of these sites:

[https://www.youtube.com/watch?time\\_continue=83&v=XtSAnt2HnhU&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=83&v=XtSAnt2HnhU&feature=emb_logo)

<https://www.youtube.com/watch?v=t8ptvfPQp2c>

<https://www.youtube.com/watch?v=2SLc6l1lwco>

<https://www.youtube.com/watch?v=7Sg5aY2QbKM>

<https://www.newsweek.com/great-white-shark-hunting-seal-1462991>

Scroll through the site and watch some of the white shark hunting videos. List a few details you found interesting about white shark hunting behavior and how this behavior helps white sharks get lunch. Note any differences for different age classes (YOY vs. juvenile vs. adult).




### Source Check

Source	Credibility	Accuracy	Possible Bias	Methods Used	Supported by Evidence

## Understanding White Sharks

### The Lunch Line (continued)

#### REMUS for Lunch?

After going through all of your research, revisit your observations, questions, and statements about REMUS; revise your explanation as to why the white shark responded the way it did to REMUS. Consider all possible causes. Use evidence and the source of that evidence to support your explanation.

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Identify a plausible explanation for why the white shark responded the way it did to REMUS, besides wanting lunch:

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