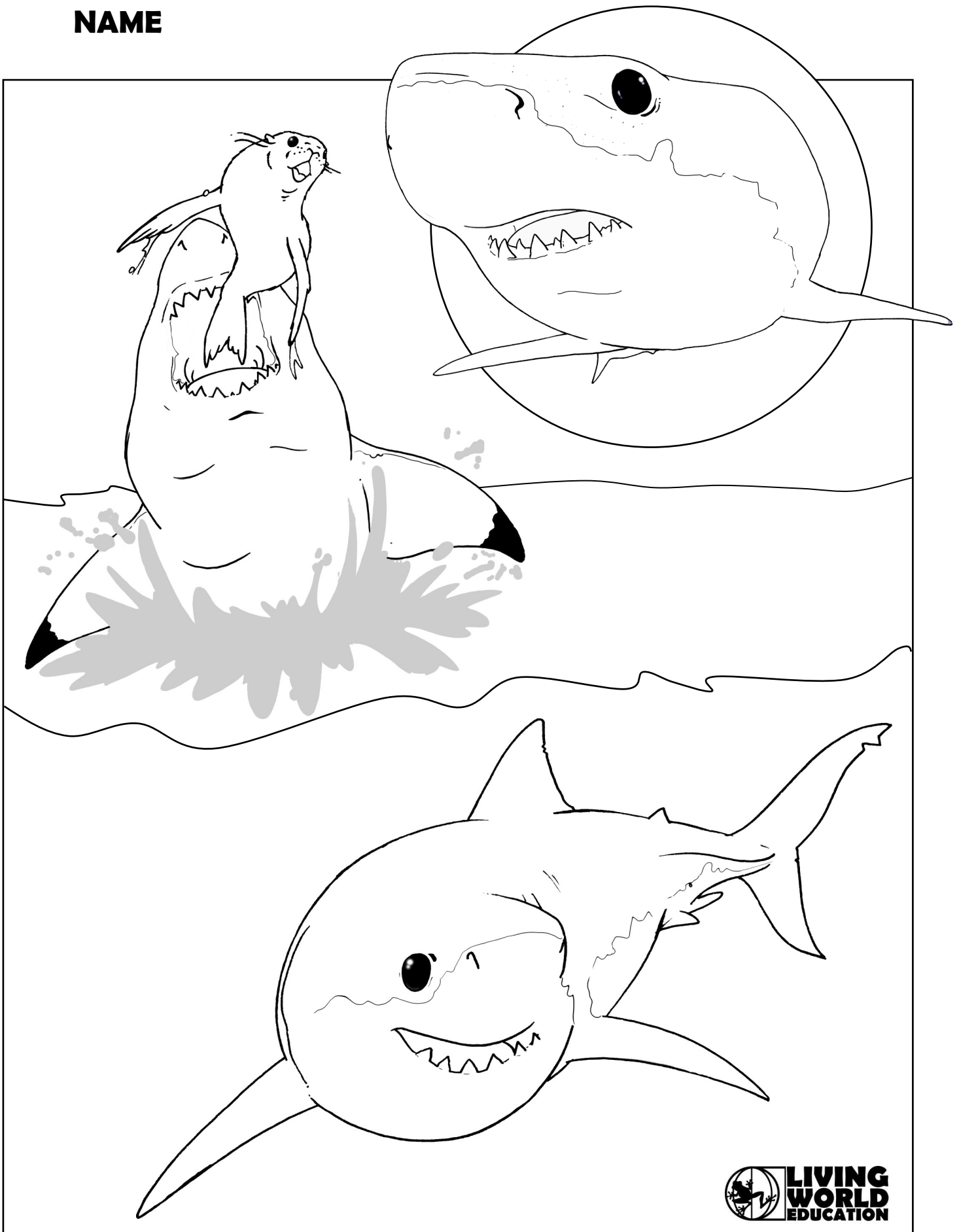


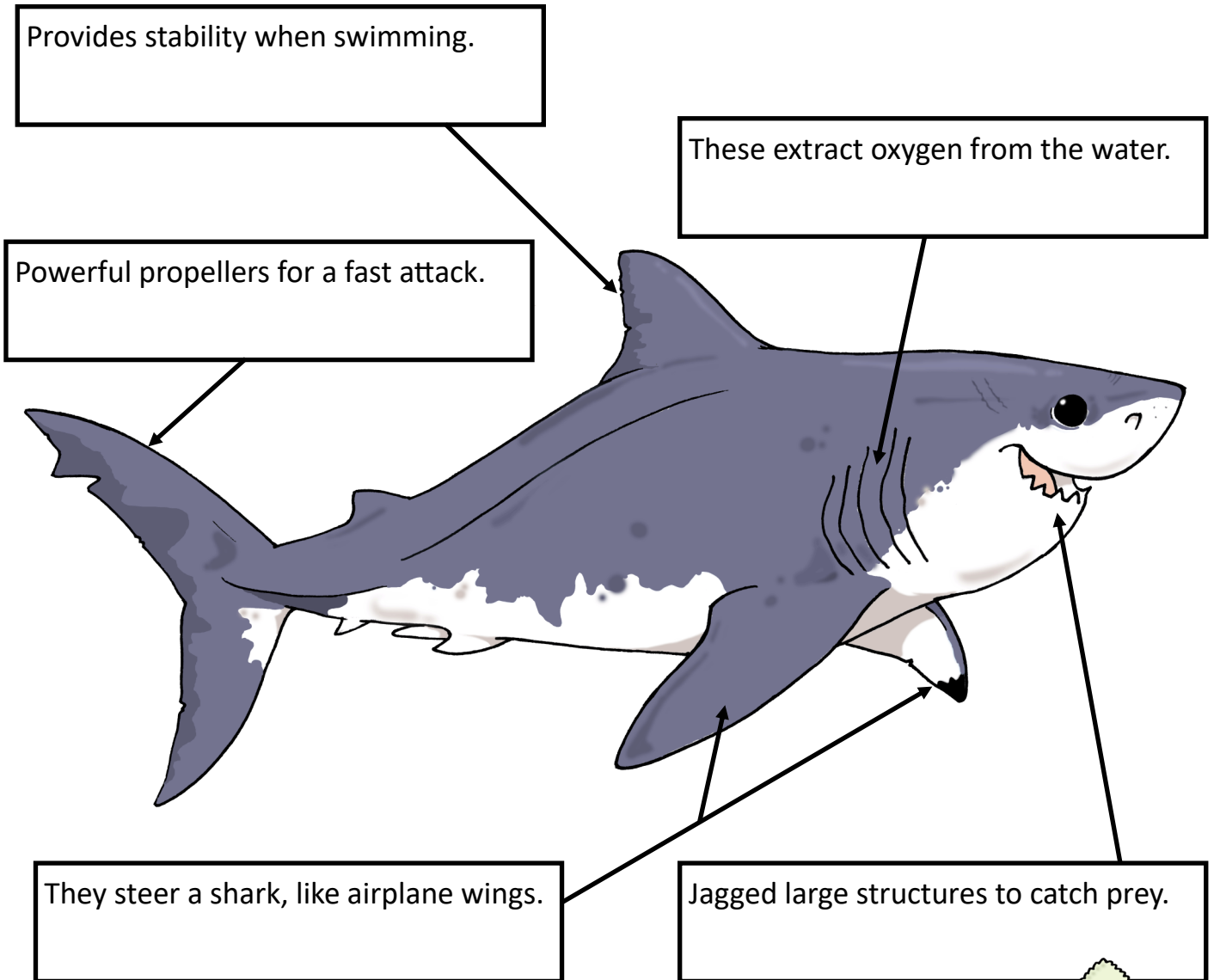
# GREAT WHITE SHARK

NAME \_\_\_\_\_



# ADAPTATIONS: BODY SHAPE

The great white is an incredibly well adapted hunter, with a powerful, streamlined body. Build for bursts of explosive speed and ambush attacks, adults feed on marine mammals such as seals and sealions. [ADD LABELS FROM THE WORD BANK TO THE DIAGRAM](#)

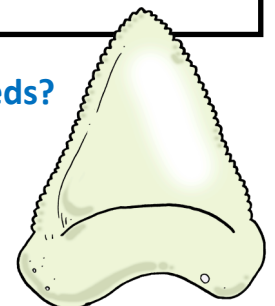


How does the shape and saw-like edges help the shark get the food it needs?

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DORSAL FIN

CAUDAL (TAIL) FINS

PECTORAL FINS

TEETH

GILLS

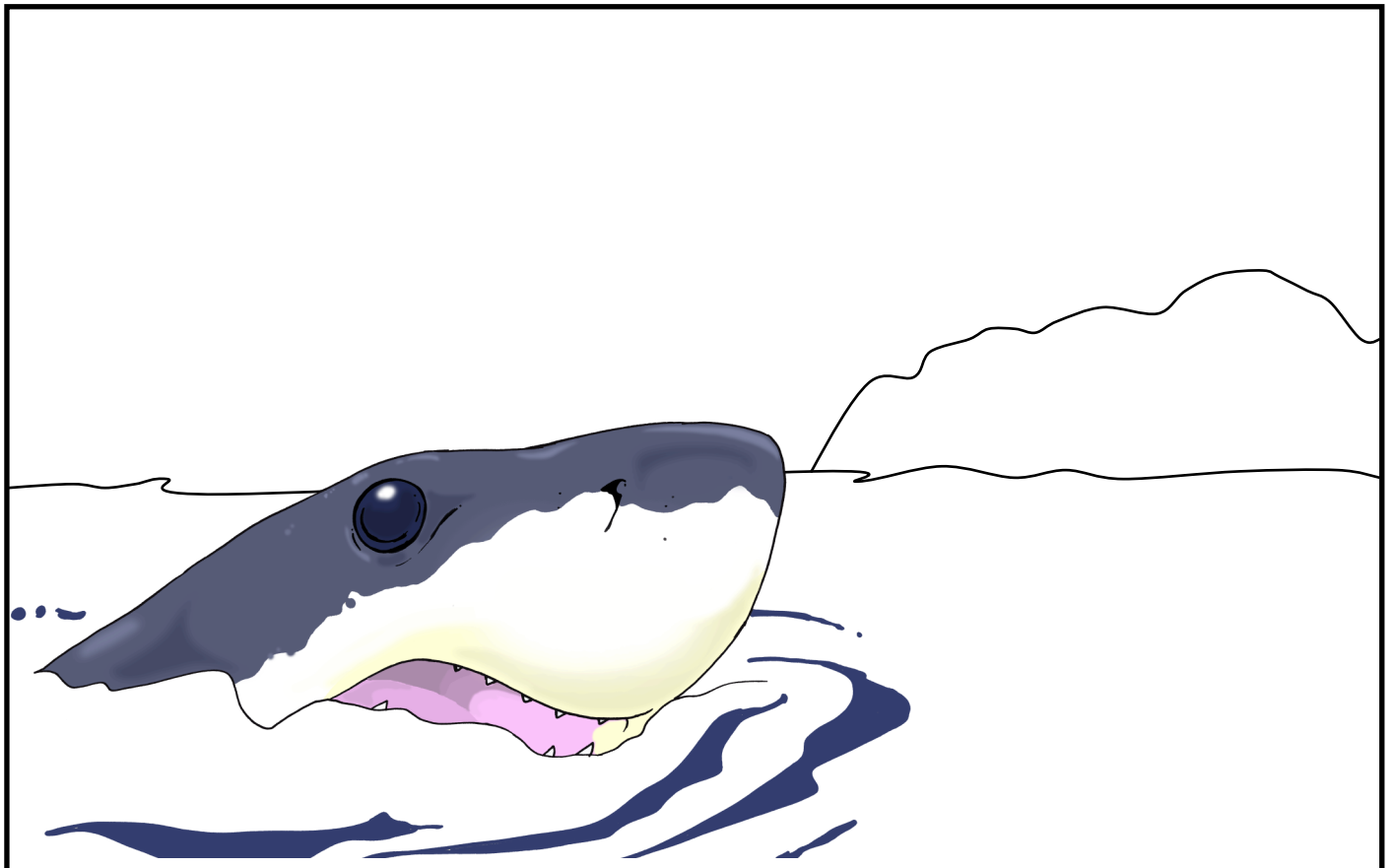
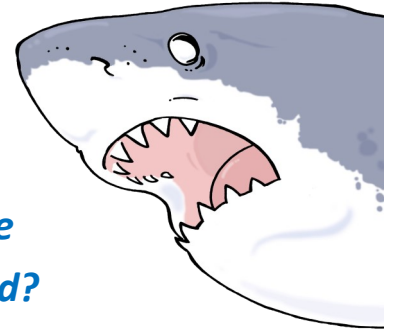
# ADAPTATIONS: EXCELLENT EYESIGHT

A great white must lock-on to a target in order to accurately strike at its prey. This means that vision is a vital sense for this animal...

## EYE ROLLING

At the very last moment of an attack, great whites roll their eyes back to protect these delicate sense organs. The eyes look white.

**TASK:** Look online for a video clip of *great white shark eye roll*. What would happen if the sharks eyes were damaged?



**SPY-HOPPING** A very sneaky tactic of great whites is to look for signs of prey above the surface.

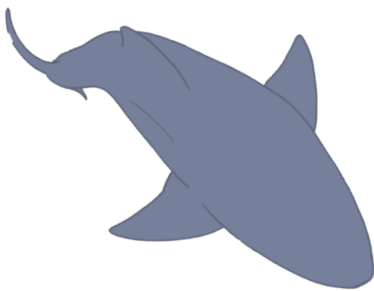
**TASK:** Colour the scene and add some sealions to the rocks.

**NEED HELP?** Search for pictures of sealions online or in books.

# ADAPTATIONS: THE AMBUSH ATTACK

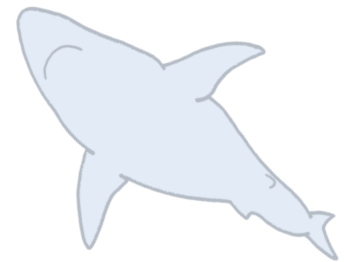
With prey that are fast moving and agile, great whites need to strike quickly and ensure they are not spotted. Often, the shark bursts beyond the surface in a type of attack called a **BREACH**.

Unless they are successful on the first attack, it is unlikely they will go on to complete the hunt, so the great white has evolved a clever colouration to assist them. It is called **COUNTERSHADING**.



Seen from above, the topside of the shark **blends into the dark depths below**. This means they are nearly invisible to prey swimming above.

Equally, the white underside merges the shape of the shark against the bright surface waters.



Explain why a sea lion may not see a shark beneath it?

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What is a "breach"?

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Sea lions are agile. What does agile mean?

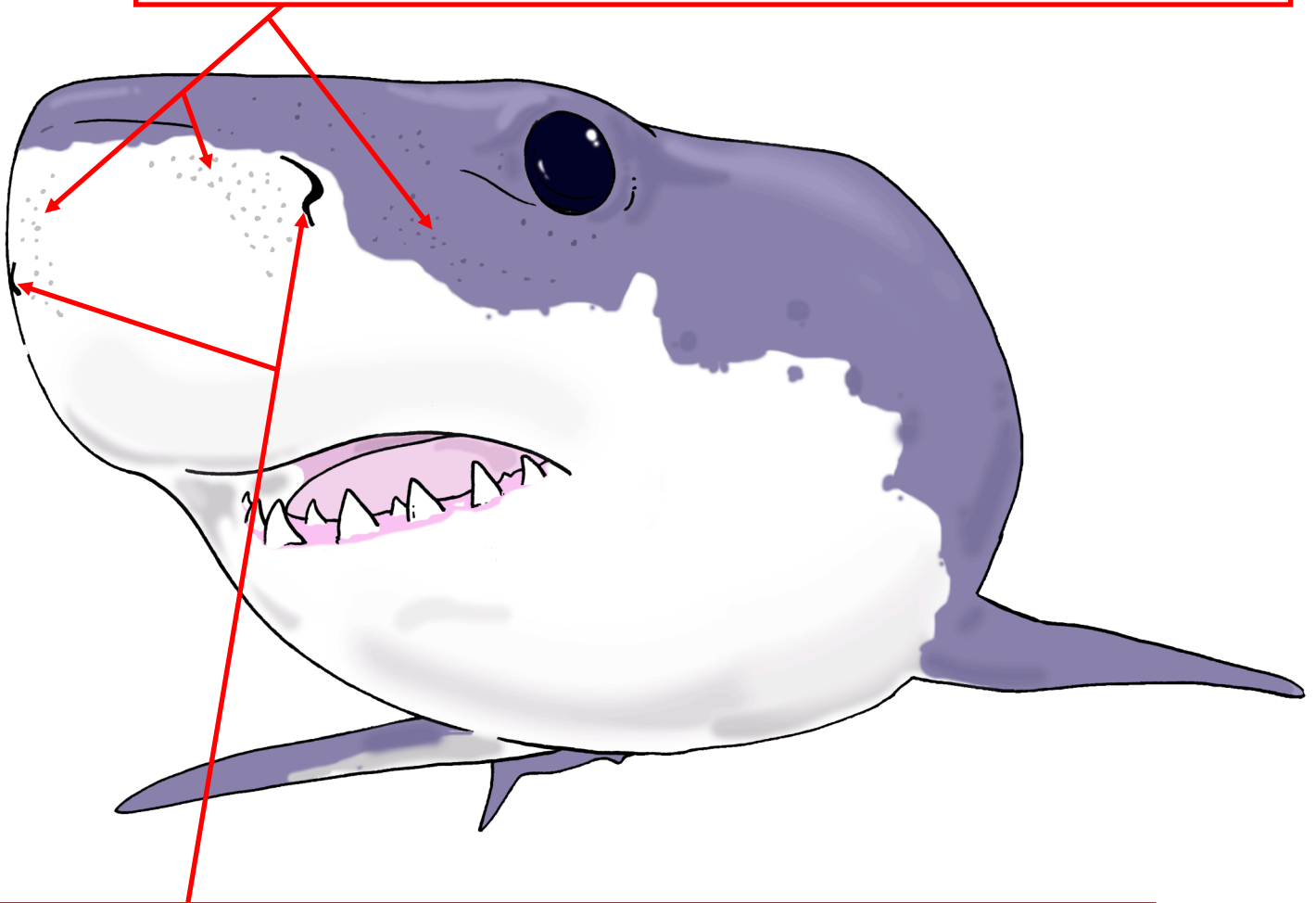
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# ADAPTATIONS: SUPER SENSES

TASK: Use ICT skills to find out facts for some of these important shark senses. Add your information to the sheet.

**ELECTROSENSITIVE AMPULLAE OF LORENZINI**



**NOSTRILS / SENSE OF SMELL**

# FACT FINDING: RESEARCH SKILLS

**TASK:** Use books or a safe internet search for answers to the following questions...

How big can great white sharks grow?

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What other names are their for great white sharks?

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Do any animals hunt great whites?

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How many young to white sharks have?

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Where on Earth are great whites found?

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How many teeth do white sharks have?

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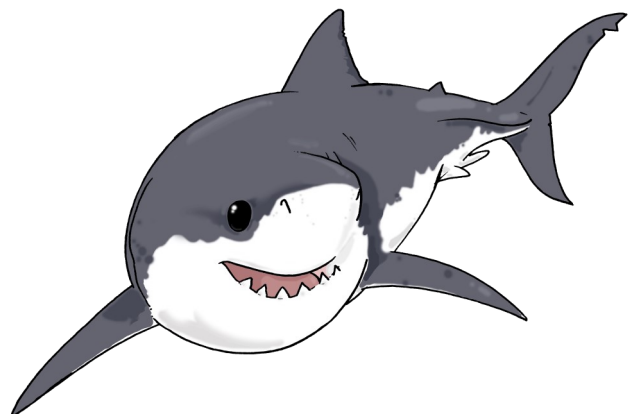
Are great white sharks endangered?

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## EXTENSION TASK:

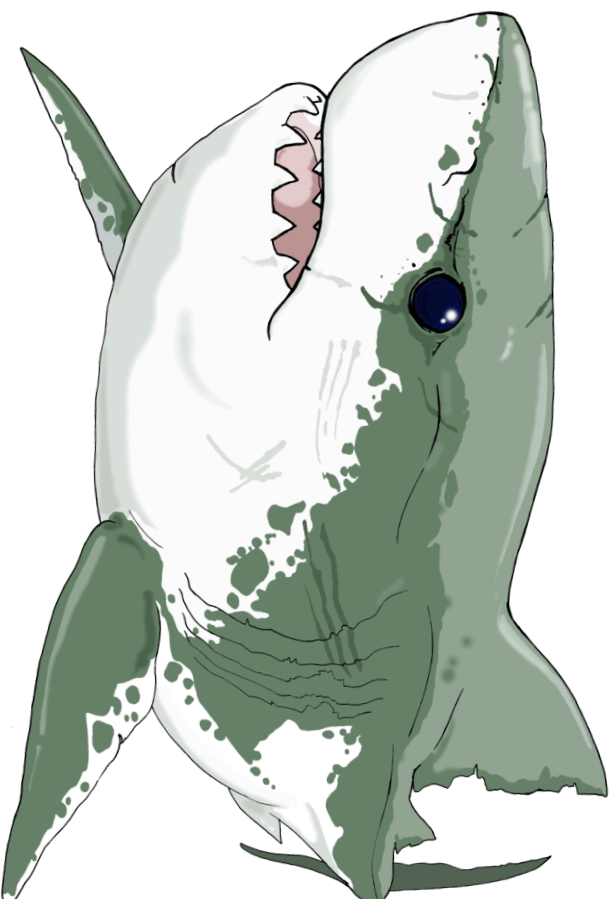
Search for a range of images and facts to create an illustrated presentation that you could show somebody else



# PREHISTORIC PREDATOR: MEGALODON

The enormous **megalodon** is now extinct, but we can prove it existed because of the large **fossil teeth** it has left behind. Whilst its teeth looked similar in shape to a great white, experts think they may have been very different animals.

**TASK:** Search for pictures of other **prehistoric marine creatures** and use your creative skills to draw them in an **amazing underwater scene** with the megalodon!



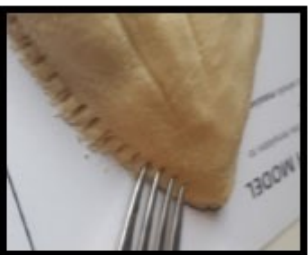
# MEGALODON TOOTH MODEL

Use the recipe to create salt dough and the templates to form your own fossil megalodon tooth.

## 1. SHAPE



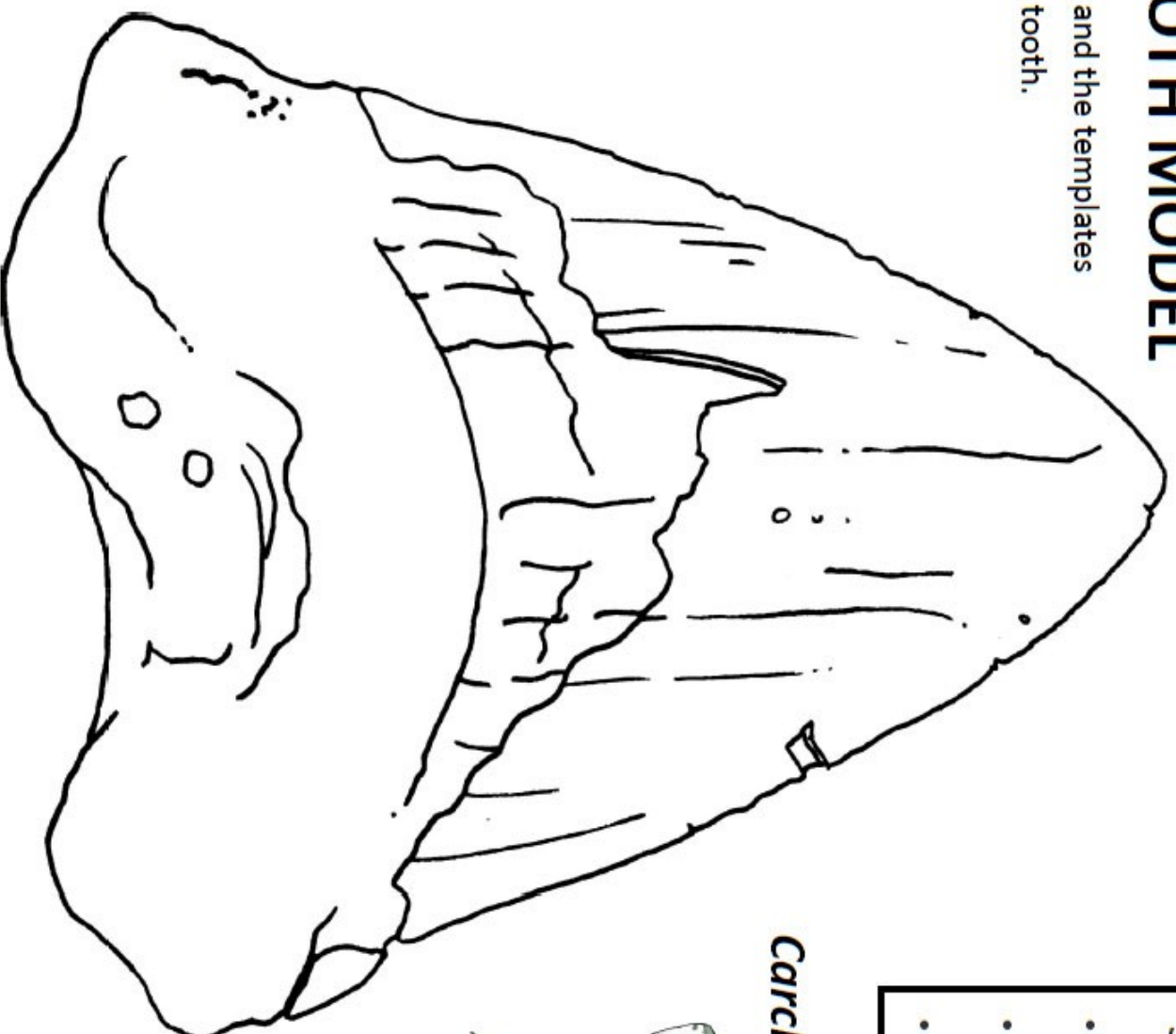
## 2. ADD DETAILS



## 3. DRY OUT



## 4. PAINT



## SALT DOUGH = 1 TOOTH

- 1 cup of plain flour
- half a cup of salt
- half a cup of water

## *Carcharodon megalodon*



Join up with friends to make a whole massive mouth full of fossil teeth!

Don't forget to [#showusyoursharks](https://twitter.com/showusyoursharks)

