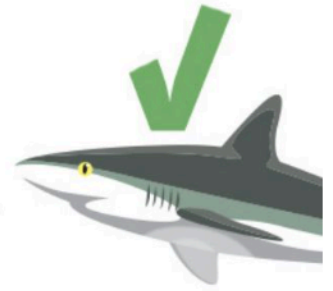
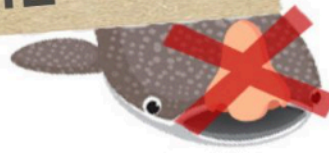


Do sharks BREATHE?!

a text from the nomadic whale



Of course! Sharks, just like us, have to **BREATHE!**
They don't do it with their nostrils, though. They do it with their **GILLS.**



Gills

are like our



Lungs



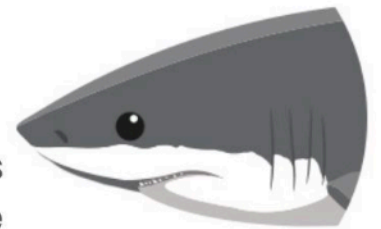
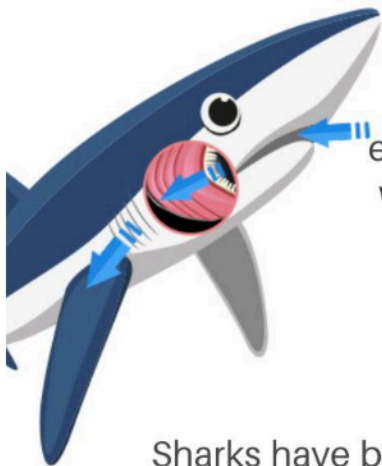
but designed to breathe in water.

Because water also contains oxygen, like air!

It's just that our lungs are not able to catch the oxygen in water like a shark's gills can.

When sharks want to breathe, it is very simple. The water enters their mouth, passes through the gills and comes out.

When the water **sliiides** over the gills, the oxygen dissolves into the blood stream and the shark breathes!



Sharks have between 5 and 7 **GILL SLITS**, the lines you see on the side of their body. These slits allow the water to flow out, once it has exchanged its oxygen with the gills.

Some sharks are able to breathe even when they're not moving, but many species still have to move forward to get the water to move, through their gills.

Imagine that!

Unable to **SIT STILL WITHOUT WRIGGLING**



Do you know any friends that are like sharks?...



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La Baleine Nomade

Sharks save the ocean!

a text from the nomadic whale



Did you know that sharks protect the ocean, without even knowing it?

They act as superheroes in 3 different ways:

1

They eat sick or weak prey. By preying on sick animals, they prevent diseases from spreading. They are like a **vaccine** !



2

They **swim** and bring **nutrients** with them.

Just by eating in one place and going to the bathroom hundreds of miles away, sharks enrich poor areas of the ocean! It is as if they are making an express delivery of good food, everywhere!



They make **THE FOOD CHAIN** stable.



3

Sharks, by eating a lot of prey, ensure that there are not too many crab-eating fish. This way, the crabs can eat the underwater algae so that there isn't too much algae covering up the corals, preventing them from breathing and eating the tiny particles of food that are left in the water!



Sharks keep **BALANCE** in marine ecosystems.

Imagine if you lost your little bike wheels
before you were able to keep your balance...



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La Baleine Nomade

Coda the Brave

Hey! I'm Coda! I am a sperm whale.

I like to hunt in the depths of the ocean, where there are giant squids. YUMMY!



However, where I go hunting, it is sometimes very dark.

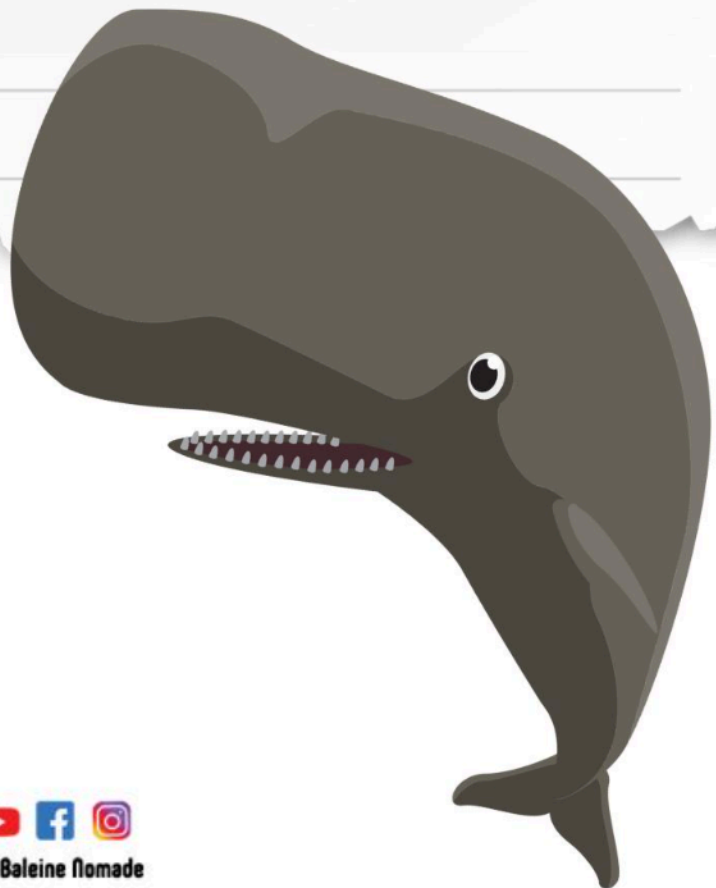
It's so dark that I can't see anything! Fortunately, I have a super sense that allows me to find my way in the dark.

With my super sense, I brave the darkness and face my fears!

You know, people often say that I am brave, but I am also afraid sometimes! Being brave doesn't mean you have no fear. It means that we face our fears and do something we care about, even if it scares us!

What about you, have you been brave lately?

Hi,
my name is
CODA!



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La Baleine Nomade

Review questions

Where does Coda like to hunt?



What allows Coda to find his way in the dark?

What quality do people say about Coda?

Does Coda ever get scared?

When did you show courage?

Hi,
my name is
CODA!



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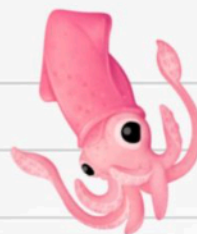


La Baleine Nomade

Example answers

Where does Coda like to hunt?

In the depths of the ocean.



What allows Coda to find his way in the dark?

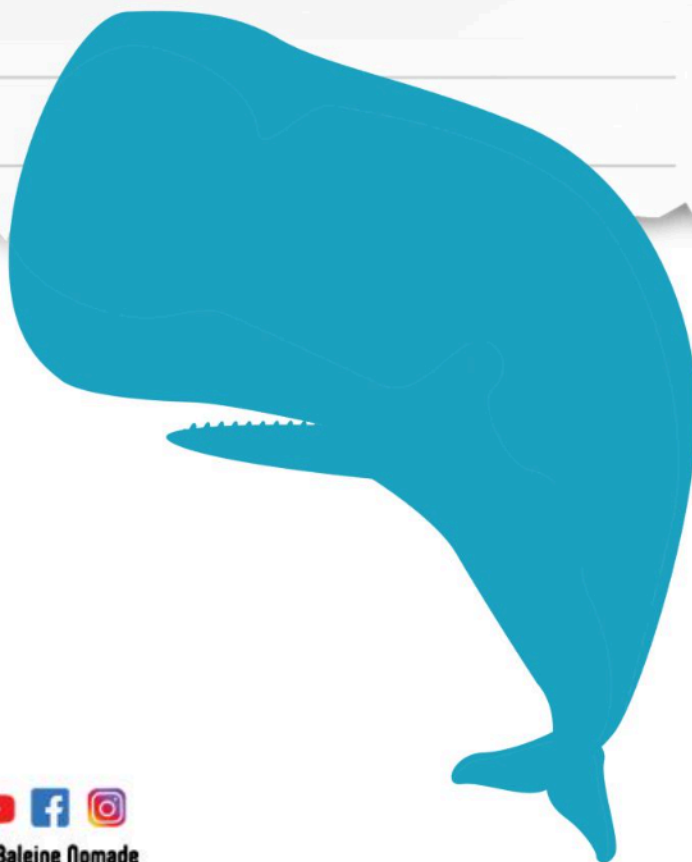
He has a super sense that allows him to find his way in the dark.

What quality do people say about Coda? *He is brave.*

Does Coda ever get scared? *Yes, he is afraid sometimes.*

When did you show courage?

Hi,
my name is
CODA!



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La Baleine Nomade

Orcas... Witches?

Hello ! My name is Frilou. I am an orca !

I love my family very much. In fact, it is the most important thing to me.

At home, my mom is the head of the family! She decides everything for us and we trust her.

People often think that we orcas are mean. But that's not true at all! We take care of our family and we are very smart.

Sometimes people judge us without knowing us... You know?

They think things about us that aren't true...

We're kind of like the witches of the ocean! People think we are scary,

but we are nice!

Hi, my
name
is Frilou



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La Baleine Nomade

Review questions

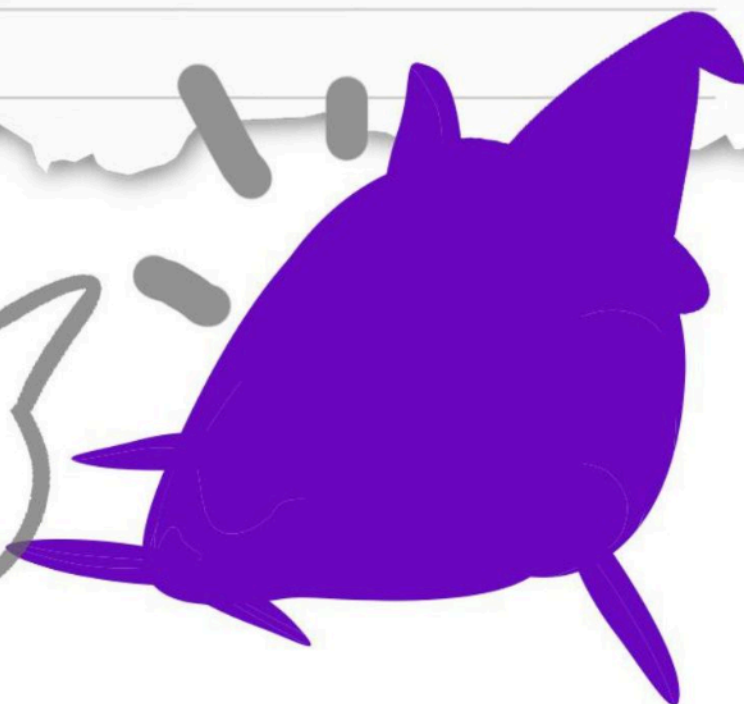
What animal is Frilou?

What is most important to Frilou?

Do people often think that orcas are nice or mean?

Which scary character does Frilou compare himself to?

Hi, my
name
is Frilou



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La Baleine Nomade

Example answers

What animal is Frilou?

It's an orca.

What is most important to Frilou?

It's family.

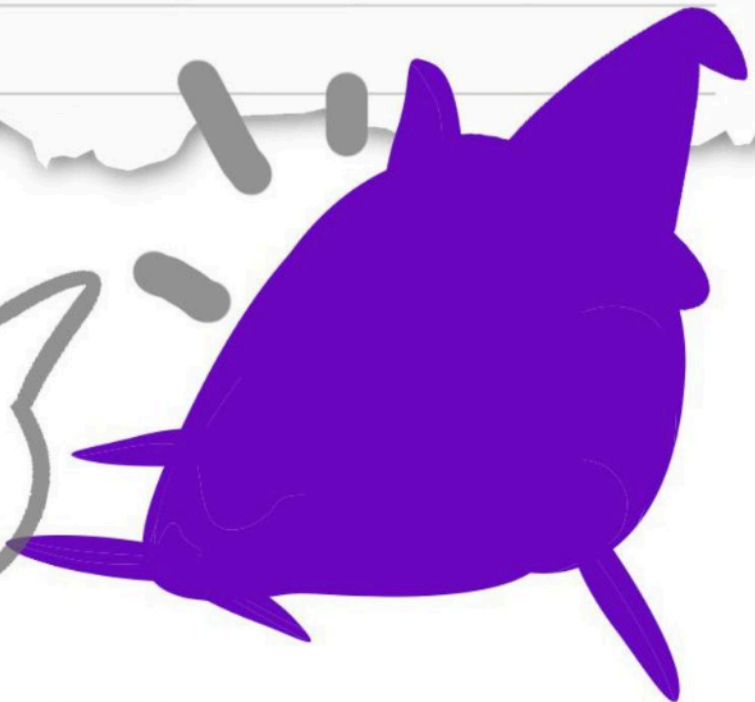
Do people often think that orcas are nice or mean?

People often think that orcas are mean.

Which scary character does Frilou compare himself to?

To a witch.

Hi, my
name
is Frilou



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La Baleine Nomade



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La Baleine Nomade

Noc goes for a trip

Hi! Do we know each other?

I am Noc, the beluga whale!

A long, long time ago, my family and I went on a
loooooooong trip!

We went from the North Pole to the St. Lawrence. We swam for days! Once we arrived in the St. Lawrence Estuary, we immediately loved it. There was plenty of good food, the trip was worth it!

We belugas are very curious and we love to explore.

We like to discover new places, but we have to stay with our family and our friends to stay safe!



Hihi,
I am Noc, the
beluga!



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pour trouver des vidéos en
lien avec cette activité !



La Baleine Nomade

Review questions

When did Noc's family take a trip?

Where did the members of Noc's family travel to?

Did Noc's family love or hate the St. Lawrence River?

Belugas like to explore, so what quality do they have?

Do belugas prefer to travel alone or with their family and friends?

Hihi,
I am Noc, the
beluga!





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lien avec cette activité !



La Baleine Nomade

Example answers

When did Noc's family take a trip?

A very, very long time ago.

What places did Noc and his family visit?

North Pole and/or Saint-Lawrence River.

Did Noc's family love or hate the St. Lawrence River?

They loved it.

Belugas like to explore, so what quality do they have?

They are curious.

Do belugas prefer to travel alone or with their family and friends?

With their family and friends

*Hihi,
I am Noc, the
beluga!*



Nova is afraid

Down in the water... I mean, Hihi! In the water!

I made a joke. We sharks are like that, we like to make others laugh. Didn't you know? Oh...

You must have thought I was mean, like many people think...

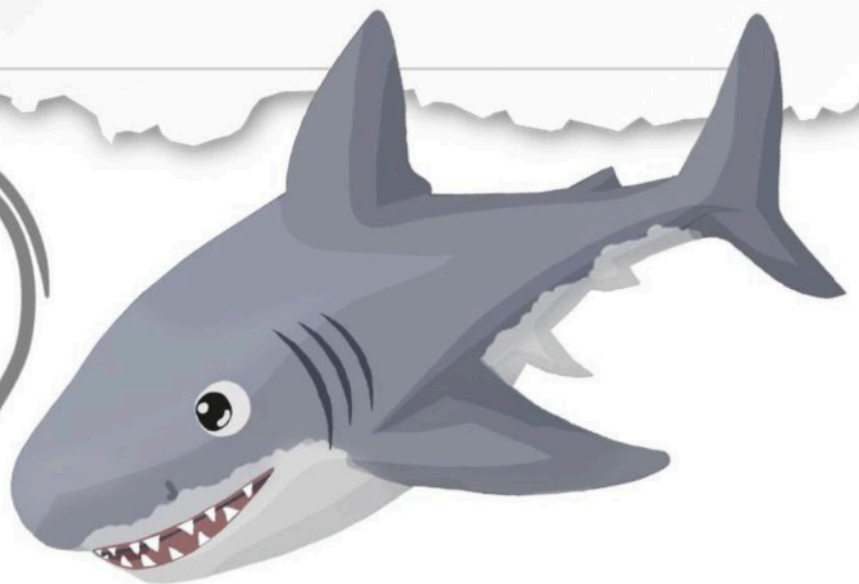
Even though I am a great white shark, I am not mean! Did you know that sometimes I'm just clumsy?

I can also be afraid. In fact, I am often more afraid of humans than they are of me. Often, when I hear them coming, I swim very fast to get away!

I don't like to be near humans, they scare me. It's not fair that people think I'm bad when I'm scared!

I hope people will get to know me and like me, I can't wait to have new friends!

Hi, I'm
Nova, the
shark!



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La Baleine Nomade

Review questions

What do sharks like to do?

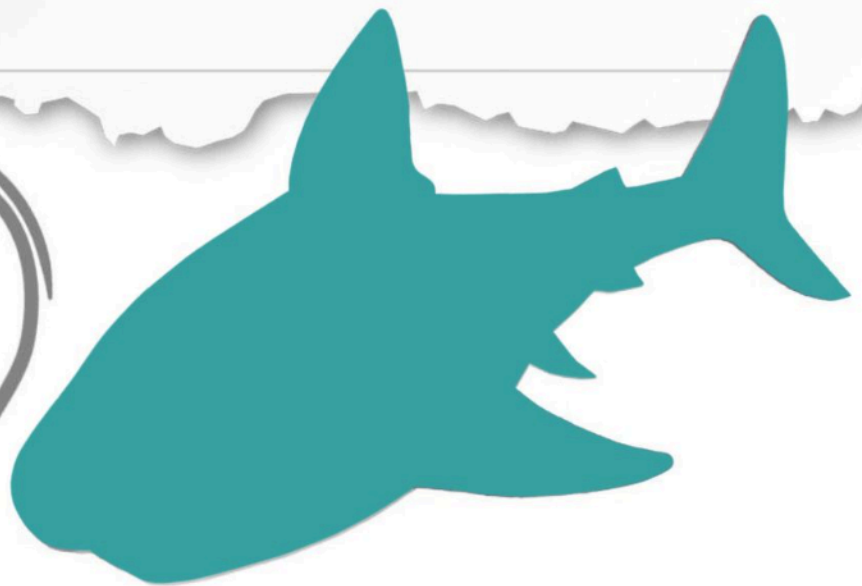
What kind of shark is Nova?

What is Nova afraid of?

What does Nova do when the humans come swimming by?

What is Nova looking forward to?

Hi, I'm
Nova, the
shark!



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lien avec cette activité !



La Baleine Nomade

Example answers

What do sharks like to do?

They like to make others laugh.

What kind of shark is Nova?

A great white shark.

What is Nova afraid of? *Humans.*

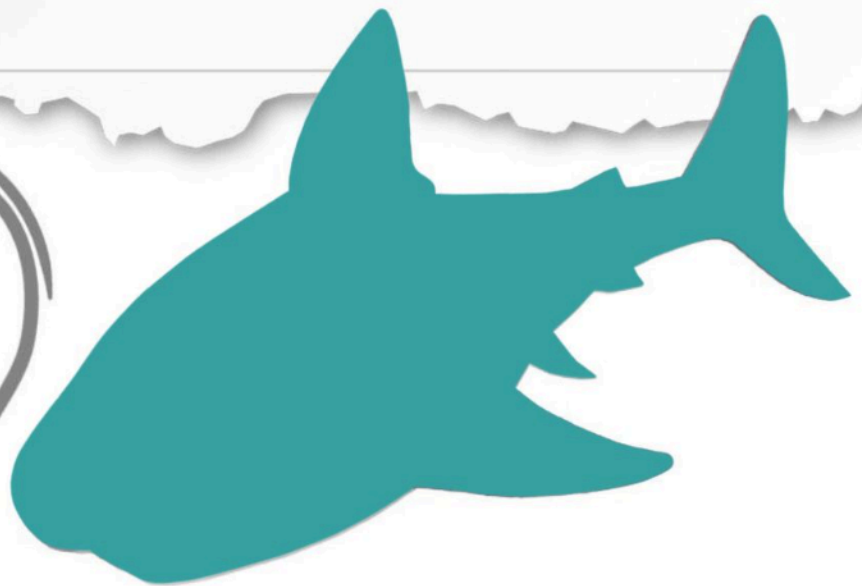
What does Nova do when the humans come swimming by?

He swims very fast to get away.

What is Nova looking forward to?

For people to like him and make new friends.

Hi, I'm
Nova, the
shark!



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La Baleine Nomade

Sunscreen, the ENEMY of corals!

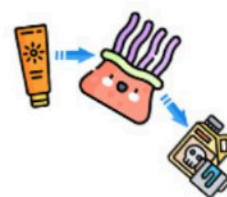
You go to the beach, you are responsible, you put on **SUNSCREEN.**

It's very good for you, but... it can also be harmful for the corals.

That's because the sunscreen contains **oxybenzone**, a substance that is transformed into **T****XINS** by the anemones...



The problem is not the sunscreen, but rather the **TRANSFORMATION** done by the anemones.



The corals get into a toxic soup that causes them to "bleach". That means that they lose their colour quickly, as if they were turning into skelet**ONS** !

This can become very serious and even lead to the death of the corals.



But, as for every problem, there is a **solution** !

You can choose sunscreens that are better for your body and for the environment! Natural sunscreens, or ones that are labelled "Reef-Safe" are best.

Some sunscreens only act as a physical blocker to the sun. It's kind of like wearing a long piece of clothing. So, they are not a problem for marine ecosystems.



Now you know what to ask your parents
to do to protect the health of our
oceans!

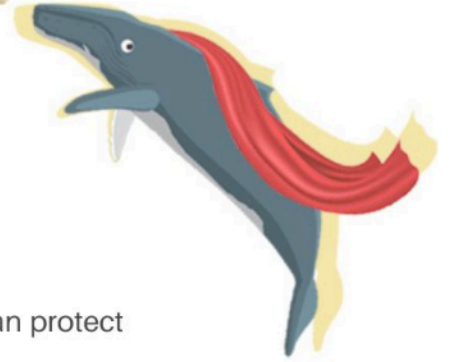


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La Baleine Nomade

How whales save the world?



Yes, you read that right.

Whales can help us **save the world** !

Let's make something clear, when we say "save the world", we mean protect the environment and the animals that live in it... **even us humans!**

Well yes, whales have a super power that allows them to save the world....

their **poop!**



In fact, whale poop is pink and rich in **nutrients** and **minerals** !

These are "ingredients" that are very rarely found in the ocean. This means that whale poop puts a lot of good **molecules** in the ocean, like a good, hearty soup!

Algae love these nutrients and minerals, because it helps them to catch CO_2 from the air and turn it into oxygen.



is a gas that heats up the planet and we can't even breathe it...

But oxygen, well... It's the air we breathe !



the algae are like a machine to make oxygen by breaking CO_2 .

This means that thanks to the whales, the seaweeds catch a lot of CO_2 and help us not to warm up the planet too much!

Moreover, they give us oxygen to breathe.

**What would we do without the algae
and the whales, right?**



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La Baleine Nomade

The accordion of whales and sharks!

Have you seen the lines on the belly of the blue whale?

These lines are actually called **ventral grooves** !

These grooves allow the whale to open its mouth wide, wide, wide!

In fact, the blue whale doubles its volume when it opens its mouth.

Imagine if you got twice as big when you took a bite.

It's a bit like playing an accordion. When it's folded, it takes up very little

space, but when you stretch it out... it becomes

HUGE!

Whale sharks and basking sharks also have something similar where their gills.

This means that they can open their mouths **very wide** , too!

Opening our mouths wide is handy when

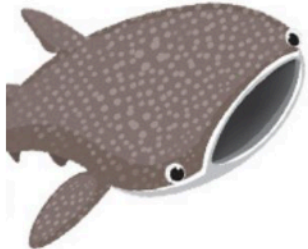
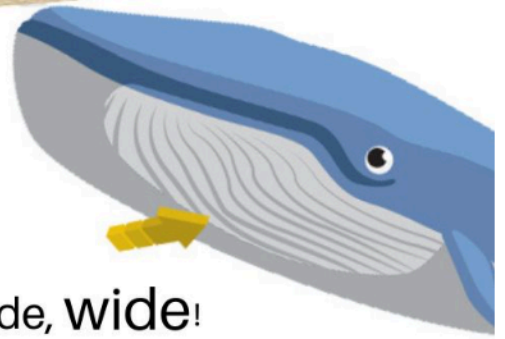
we are **filtering**

our food from the water.

And yes! rorquals, whale sharks and basking sharks eat very small prey: krill or plankton.

As they are gigantic marine animals, they have to eat a very large quantity of them every day!

Be careful, they are **carnivorous**, but their prey are tiny!



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La Baleine Nomade