

I can see in low light with my huge eyes!

Giant Squid

I use my long snout to probe the seabed for food!

Australian Ghostshark

Well, there is a good reason for that too.

I see, they glow for many different reasons...

Oh? What kind of creature is that?

Why is it shaped like that?

I have no eyes but can sense where food is using the hair on my legs!

Gandalfus yunohana

Pelican Eel

Creatures living in the deep sea have their own shape to give them the best chance to survive where there is not much food to find.

My huge mouth can swallow food much bigger than myself, and so I don't miss a chance to catch and store food when I'm really scarce.

Black Swallower

My stretchable stomach lets it swallow food much larger than itself so I can keep a stock of food for a long time!

Doctor! We've just reached the twilight zone.

Lots of the creatures here are glowing.

Why they do that?

Oh, that's a good question.

The deep sea creatures use their glow to help them in the dark.

Doctor

Shinkai 6500

Below 1,000m, you enter the world we call "the twilight zone".

GODAC

Newsletter

supecial number

This newsletters provides informations about the ocean, the earth and JAMSTEC's news!

Some of these unusually shaped deep sea creatures are actually really tasty to people too.

Really? They're good to eat?

To escape from an enemy



To attract your dinner



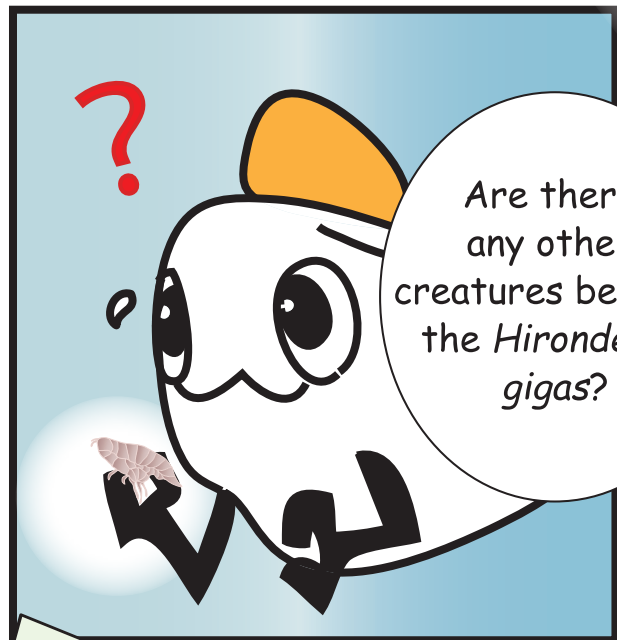
They use their glow in many ways: to attract food, to find a marriage partner, or for defense. It all depends on the creature.

To find your partner

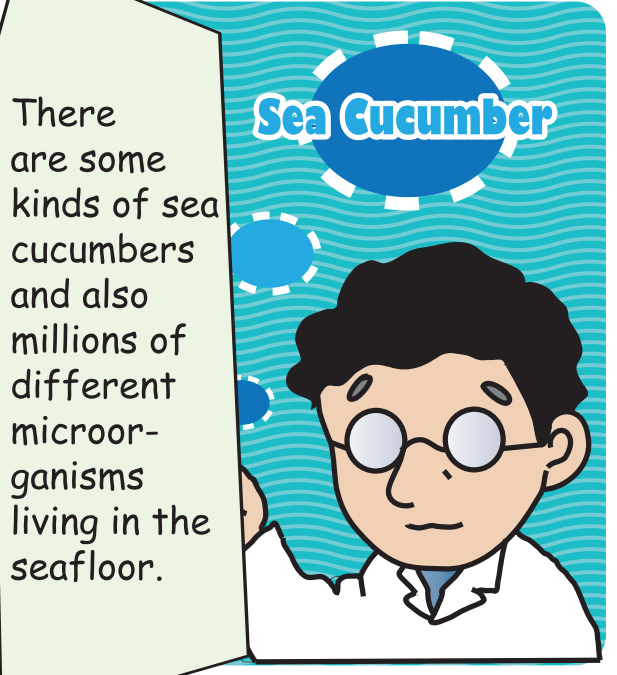


To hide in the shadow of the light





Are there any other creatures besides the *Hirondellea gigas*?

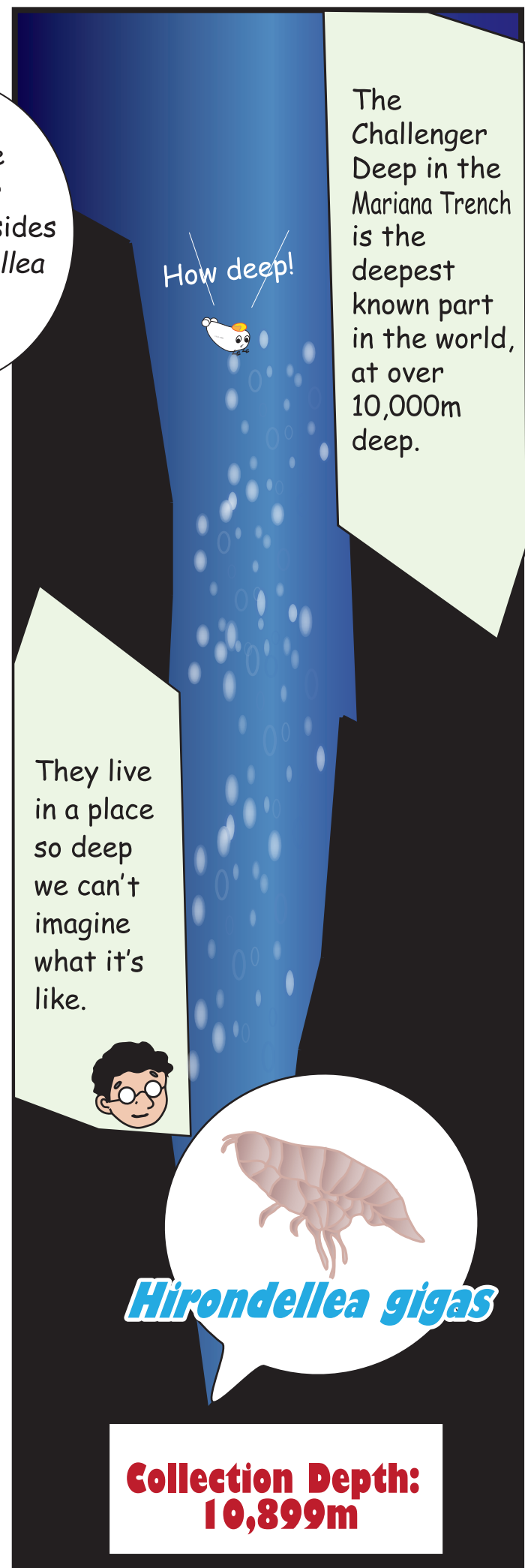


Sea Cucumber

There are some kinds of sea cucumbers and also millions of different microorganisms living in the seafloor.



The deep sea and the deep sea creatures are mysterious and exciting!
I want to know more and more!



How deep!

The Challenger Deep in the Mariana Trench is the deepest known part in the world, at over 10,000m deep.

They live in a place so deep we can't imagine what it's like.

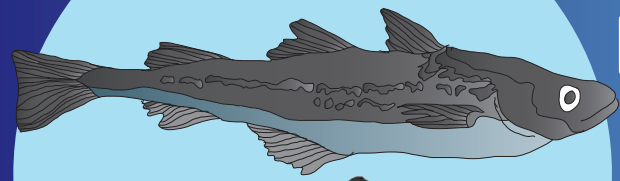


Hirondellea gigas

Collection Depth: 10,899m



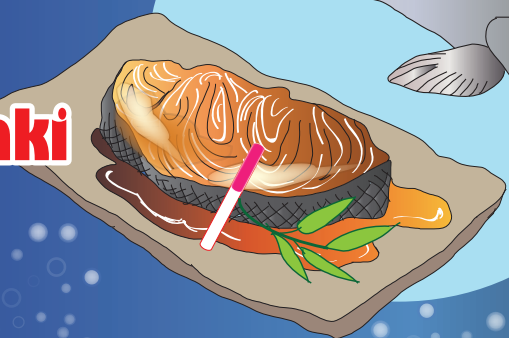
Walleye pollock



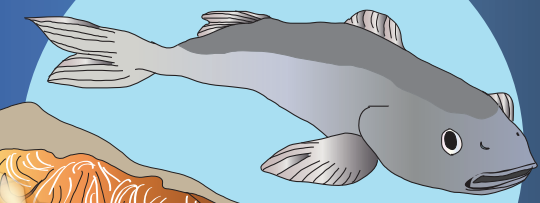
Mentaiko



Teriyaki



Sablefish



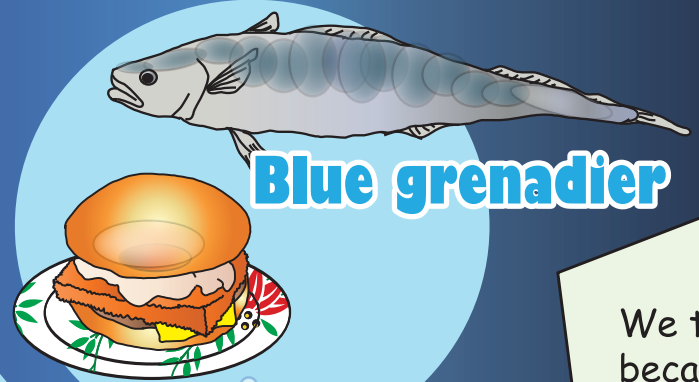
Anglerfish Hot Pot



Japanese spider crab



Blue grenadier



Fish Burger

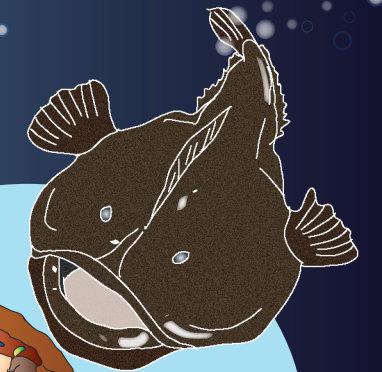
Many of them store fat to protect their body against the high water pressure.

We think they are tasty because the fat turns to 'umami'!

But there are also some creatures that are not sold because people can't digest the fat.



Anglerfish



Now we're getting deeper and deeper...
I can see fewer and fewer creatures.

What do the creatures which live in the very deepest places look like?

We think the *Hirondellea gigas* is the deepest.

Wow! That's a lot.
Maybe we have eaten some deep sea creatures without even realizing!