

## AQUADEMY LESSON 4: ANIMAL SENSES

Fish have the same five senses that people have, and more! In today's final lesson we'll explore the aquarium and learn more about how animals use their senses to interact with the watery world around them.

People have 5 senses.

Sight



Smell



Taste



Hearing

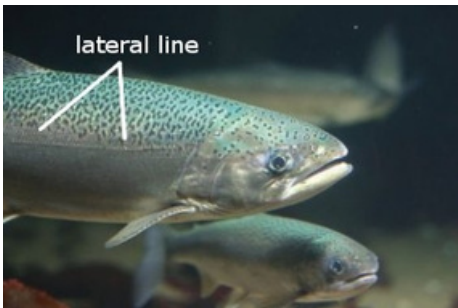


Touch



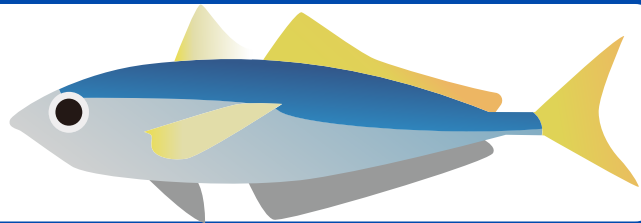
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### W.O.W



Fish have a special sixth sense, called the **LATERAL LINE** that allows them to detect water movements and vibrations. This helps fish find food or escape from predators.

**TASK:** Draw a lateral line on the fish.



## 2 SHIPWRECK

Fish can see just like us, but their eyes are on either side of their head so they can see all around their body!

**TASK:** Can you find a fish with eyes on the front of his face like us?

**HINT:** He's a bit pokey!

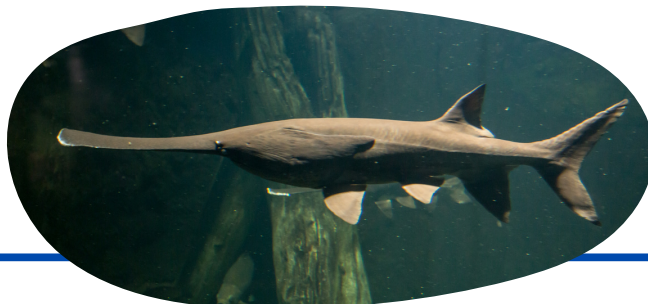


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## THE DOME

Find the Paddlefish, what do you think they use their long noses for?

They use their big nose and a special ability called **ELECTRORECEPTION**, this means they can **FEEL** the electricity their food puts off. So their big nose is kind of like a metal detector, but instead of metal it finds food!



### TASK:

If you could have a special super power, what would it be?  
What would you use it for?

4



### TASK:

What are some things you've smelled in the aquarium today?

## SHORELINE

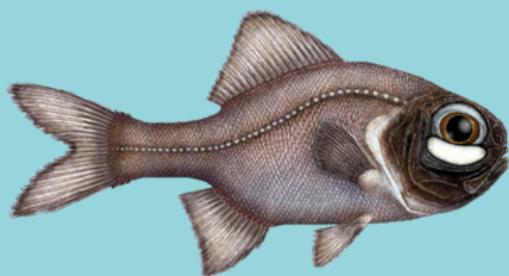
We've talked about **TUBEFEET** in previous lessons, they help sea stars and sea urchins move around and hold onto rocks. **DID YOU KNOW** they also help them **SMELL**?!

Starfish have a very strong sense of smell, they can detect the faintest scent of food and even tell what direction it's coming from!



5

## THE CAVE



Flashlight fish live in dark places where it's hard to see. They use their lights to spot other flashlight fish and stay together as a group.

What things do you look for to stay with your group?

## 6 THE TUNNEL

Fish hear, but their "ears" are on the inside. Fish hear through their "earstones" called **OTOLITHS**.



Can you find a red fish in the tunnel?  
This is a Squirrelfish, they are known for their ability to make a variety of clicking and grunting noises.



**TASK:** What do you think the squirrelfish sounds like? Make a noise you think would sound like a squirrelfish.

## 7 CONTACT COVE



**TASK:** Can you find another animal with barbels?  
**Hint:** Check the **SHARK** tunnel.

There is a tank on your left hand side as you exit the Shark Tunnel. Can you find a fish that is red and yellow?

This is a Goatfish, his whiskers are called **BARBELS**. He uses them to feel around but they are actually covered in **taste buds** and help the goatfish to find food.

## 8 SUBMARINE

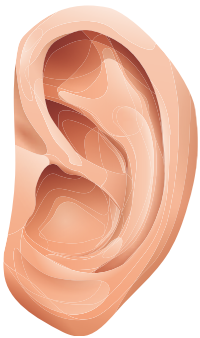
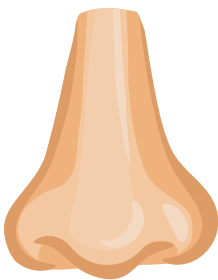
Sea Jellies have no brain, but they have basic senses like smell and touch! This means they can feel it when we touch them!

**TASK:** What does the Moon Jelly feel like compared to other animals you've touched today?



# Final Test!

Match the animal to the sense we learned about today!



**You have completed Lesson 4: Animal Senses!**

**Bring this packet to the gift shop to check your answers. Turn in your punch card with all 4 stamps to redeem your prize!**