

12+

Water mission: wonders of water

No water, no life: it is interwoven with the origin and survival of everything on Earth. In this Water mission, you will discover how water connects and sustains us both and the rest of the Earth. Do we care for water as well as it cares for us?

Name:

Collect the letters and crack the code!

1 Water as home

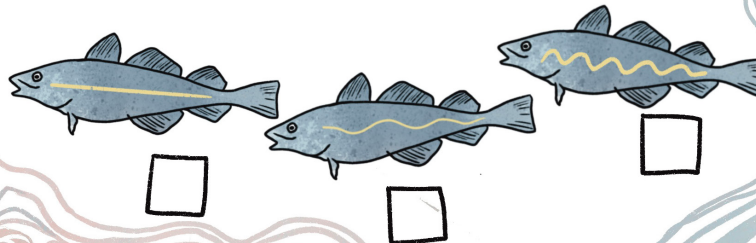
The world on land and underwater are different from each other in a lot of aspects. In this question, you discover how hearing works underwater.

- a. Look at the screen 'Hearing, seeing, and smelling underwater' in the middle of the room. How much faster does sound travel through water?

A 2X → fe B 4X → re C 8X → te

- b. Sound also travels further in water compared to land. A lot of underwater species are dependent on sound for communication, finding food, and moving. Which species is mentioned that uses sound to communicate underwater?

- c. Fish don't hear with ears like our human ears. They have a lateral line, a hearing organ from their gills to their tail. On the side of some fish, this line is visible. Which fish is drawn with the correct lateral line?



3 Stronger together

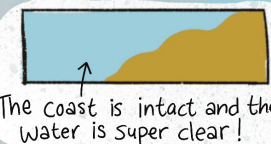
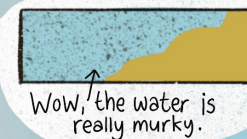
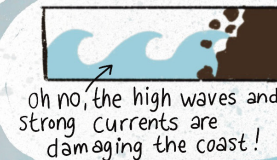
This room is about the connection between coral, seagrass, and mangroves. Discover the relevance of this collaboration for everything that lives here. Use the screens and the aquaria in this room.

- a. What is missing in these coastal areas? Connect the missing piece with the coastal area to solve the problem.

CORAL

NOTHING

MANGROVE



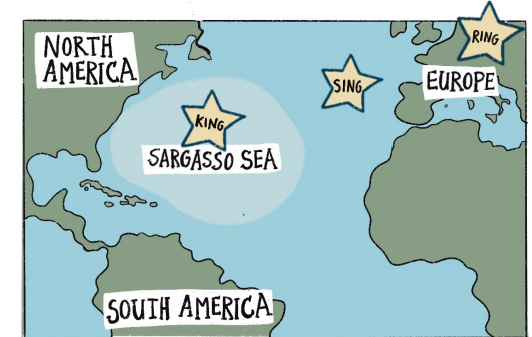
- b. Mangrove trees are well adapted to life in saltwater. In what way(s)?

- a. The roots protrude above the water so that they can take up oxygen. → S
b. Some species excrete excess salt through their leaves. → X
c. Both answers are correct. → C

2 Water as home

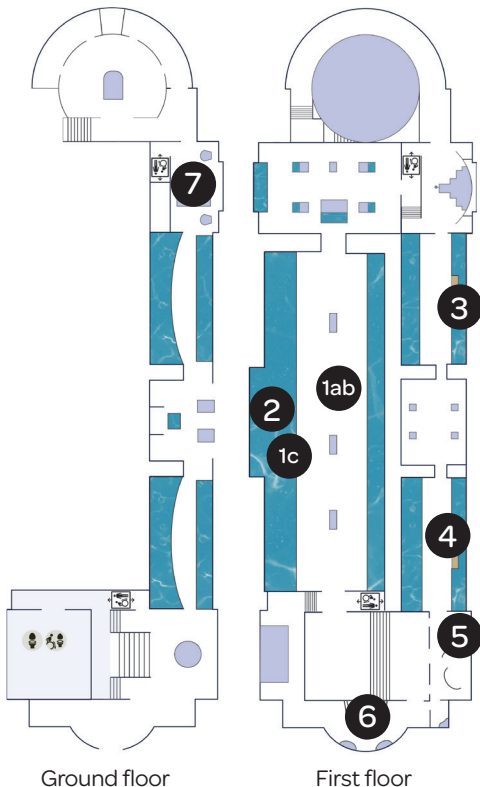
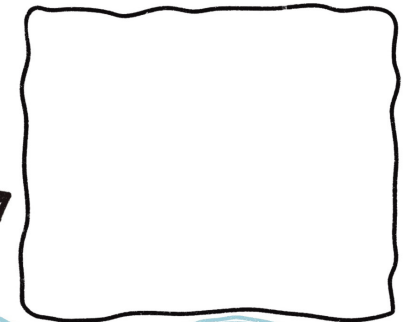
- a. European eels make the connection between salt and freshwater. They occur both in the Atlantic Ocean and in freshwaters in Europe. Draw the route the eels take during their lives.

Tip: use the text at the aquarium of the European eel.



- b. Circle the word above where the European eel larvae are born.

- c. Sometimes it is difficult to spot the European eel because they burrow in the sand. Draw the European eel below as you see it.



ARTIS

