

CLIL Science Webquest

Water world

1 Pre-reading

Do the quiz. Then check your answers by doing an Internet search for oceans.

You can visit these websites to help you:

www.sciencekids.co.nz/sciencefacts/earth/oceans.html

www.worldatlas.com/aatlas/infopage/oceans.htm

aquaviews.net/10-amazing-facts-oceans

Ocean facts quick quiz

- | | | | |
|--|-----------|----------|---|
| 1 Most people say there are ... oceans on Earth. | a ten | b three | <input checked="" type="radio"/> c five |
| 2 The Pacific Ocean is the ... ocean. | a largest | b widest | c smallest |
| 3 The Atlantic Ocean is the ... largest ocean. | a third | b second | c fourth |
| 4 In ..., the Southern Ocean was officially recognised. | a 2000 | b 1693 | c 1201 |
| 5 The largest tsunami ever recorded was ... metres high. | a 23 | b 102 | c 64 |
| 6 Over ... % of the world's population lives within 60 miles of the coast. | a 90 | b 50 | c 10 |

2 Reading

Read the text and complete the top five facts.

OUR AMAZING OCEANS

FACT FILE



Water covers more than 70% of the Earth's surface and our oceans are an important source of protein, minerals and energy. The oceans also provide us with oxygen, regulate the climate and transport water masses that maintain life on our planet. Surprisingly, experts say that less than 5% of the Earth's oceans have been explored! Until the year 2000, only four oceans were recognised officially. Nowadays, we talk about five oceans: the Atlantic, Pacific, Arctic, Indian, and Southern Oceans. However, all these oceans flow into each other and are sometimes called a world ocean.

Our oceans are home to a great number of underwater creatures. Some of these include whales, sharks, sea turtles and a variety of other marine life. Unfortunately, human activity such as industrial fishing has had serious negative impacts on our oceans and the creatures that live in them. Global warming is also a constant threat to many underwater animals and other life forms.

Without our oceans, life on Earth would be impossible. We must do our best to protect and preserve our oceans and the underwater creatures that live in them.

TOP FIVE FACTS!

- Oceans give us protein, minerals and energy.
- Nobody has been to _____ % of the Earth's oceans.
- The names of the five oceans are: _____, _____, _____, _____, _____.
- Industrial fishing and _____ are very dangerous for underwater creatures.
- Humans wouldn't be able to survive without our _____.

3 Vocabulary

Read the clues and write the words. Find the secret word by putting the grey letters in the right order.

1 Water covers more than 70% of the Earth's ...

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2 Oceans provide ... and regulate the climate.

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3 Generally, we talk about ... oceans.

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4 Oceans flow into one another and are sometimes called a ... ocean.

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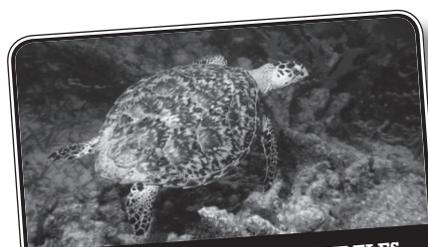
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4 Reading

Find out about these underwater creatures by searching for each one on the Internet. Then choose the correct words to complete the factfiles. You can visit these websites to help you:

- www.visitsealife.com/London/explore-our-creatures
- animals.nationalgeographic.com/animals/fish/tiger-shark.html
- www.conserveturtles.org/seaturtleinformation.php?page=green
- a-z-animals.com/animals/octopus



FIVE FACTS: GREEN SEA TURTLES

- When green sea turtles are adults, they often only eat (1) **plants / fish**.
- The sea grass and algae they eat turn their bodies (2) **grey / green**.
- They lay their eggs on the same (3) **beach / rock** where they were born.
- They usually lay about (4) **115 / 45** eggs in each nest.
- The largest green sea turtle ever found was (5) **152 cm / 85 cm** in length.



FIVE FACTS: TIGER SHARKS

- Tiger sharks are predators that feed mostly (6) **at night / in the morning** and close to the ocean floor.
- Their diet consists of small (7) **plants / fish**, crustaceans and squid.
- They get their name because they have dark (8) **spots / stripes** on their body when they are young.
- Their sharp teeth and strong mouths can break a sea turtle's (9) **shell / neck**.
- They go to the (10) **surface / ocean floor** to take gulps of air – no other shark does this.



FIVE FACTS: OCTOPUSES

- An octopus has (11) **three / two** hearts and blue blood.
- They can change the (12) **colour / thickness** and texture of their skin.
- They can release black (13) **bubbles / ink** so their predators can't see or smell them.
- Octopuses live in all of the (14) **oceans / rivers** of the world.
- They have not got internal or external (15) **skeletons / organs** so they can get into very small places!

5 Project

Work in small groups. Prepare a presentation with five facts about an underwater creature. Find out about these things:

- the creature's habitat
- its size
- its diet
- its appearance
- any other interesting information

You can visit these websites the help you:

- www.globio.org/glossopedia
- www.sciencekids.co.nz/animals.html
- www.seaworld.org/animal-info/animal-bytes/index.htm
- www.marineparks.wa.gov.au/fun-facts/index.html
- www.vanaqua.org/education/aquafacts/sharks.html

Believe it or not!
Sharks are always losing teeth and growing new ones. A shark can grow up to 30,000 teeth in its life!

Believe it or not!
Whales are mammals and they have hair, but not very much of it!