

WATER

What is at the bottom of a lake? Can water be pink?
Why are hot springs hot? Find out all about
oceans, lakes and water.

Do You Know? is a series of levelled non-fiction books featuring video content, project work and critical-thinking activities to motivate and engage young learners. Covering a range of STEM topics from nocturnal animals to climate change, *Do You Know?* takes an enquiry-based approach, developing children's language, communication and investigation skills.

Level 1 Pre-A1 • 400 headwords

Level 2 A1 • 600 headwords

Level 3 A1+ • 800 headwords

Level 4 A2 • 1100 headwords

Lexile measure 590L • Word count 1254

Cambridge Primary Science curriculum link:
Earth and space

U.K. £5.99 CAN. \$12.99

ISBN 978-0-241-62257-5



9 780241 622575

www.ladybirdeducation.co.uk



Available online:



DO YOU KNOW?

WATER

4

Ladybird

DO YOU KNOW?

WATER



Level 4

Contents

New words	4
Where do we find water?	6
What is at the bottom of a lake?	8
Can water be pink?	10
Why are hot springs hot?	12
What other colours can water be?	14
How deep is the Mariana Trench?	16
Is there water in space?	18
Why can people float in the Dead Sea?	20
How big is an iceberg?	22
Can deserts have water?	24
Where did Lake Chad go?	26
What happens in a flood?	28
Quiz	30

New words



deep



desert



melt



microbe



float
(verb)



flood
(noun)



pollution



scientist



glacier



lake



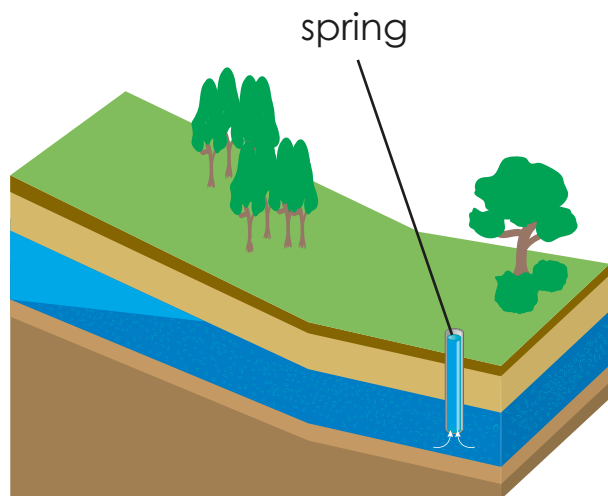
space



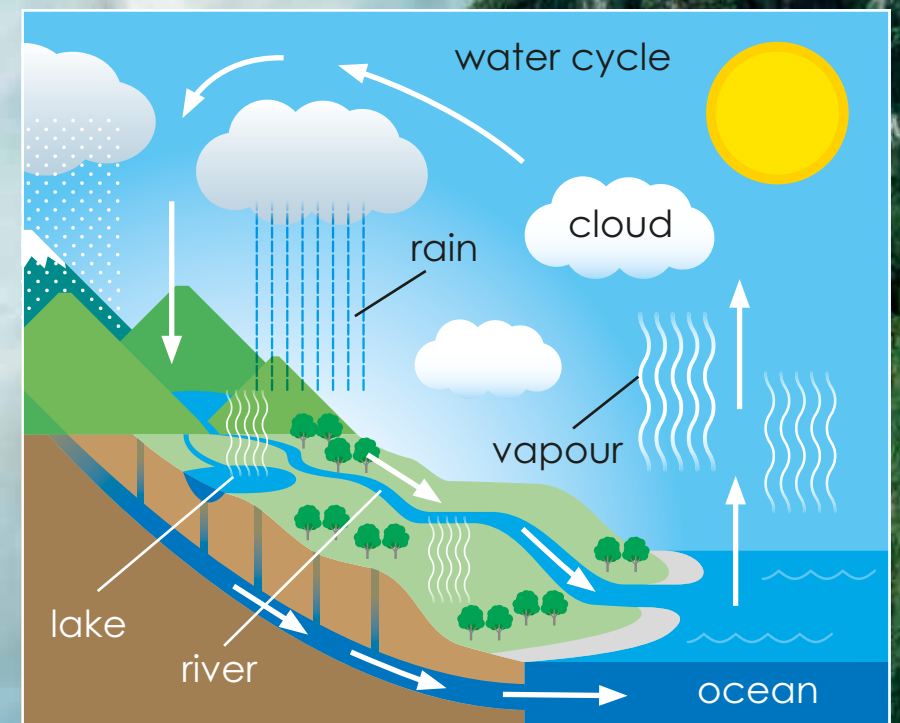
temperature

Where do we find water?

Most of the Earth is water. Water is in oceans, **lakes** and rivers. Water is in clouds, and it is in rain and snow. Ice is water, too! It is on the top of mountains and in **glaciers**.



There is also water under the ground. Water can come up and out of the ground as a spring.



Water is always moving around the Earth in the water cycle. High **temperatures** change water into vapour. Cool temperatures change vapour into water.

FIND OUT!

Use books or the internet. What is the name of the biggest ocean in the world?

What is at the bottom of a lake?

The bottom of a lake is the benthic zone. There is a lot of mud there. Plants grow and small animals live in the mud.

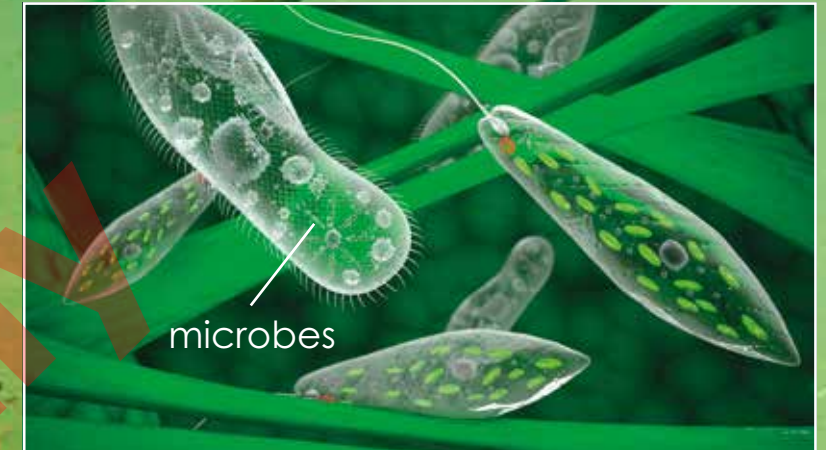


mussel



ragworm

benthic zone



microbes

Microbes live in the benthic zone. They eat dead plants and animals.



The oldest and deepest lake in the world is Lake Baikal in Russia. The lake is more than 1,637 metres **deep** and about 25 million years old. **Scientists** learn about the history of the Earth by studying the bottom of this lake.



THINK!

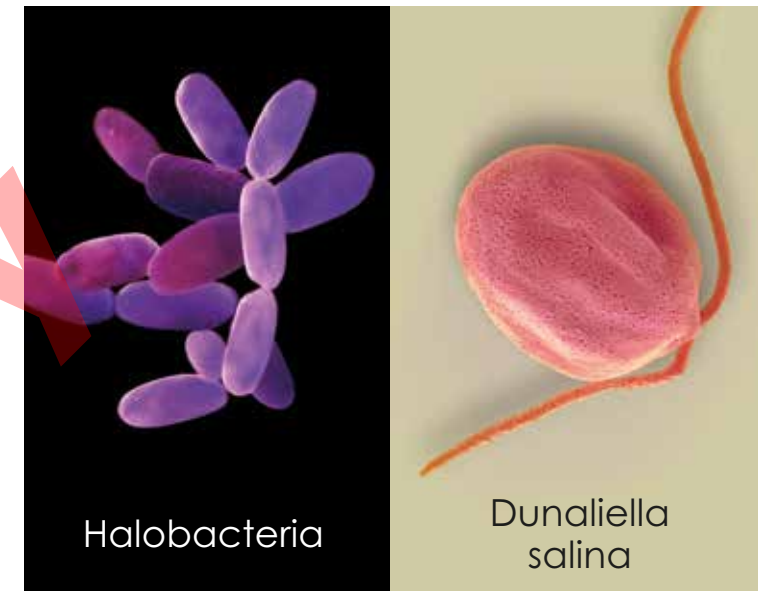
Why do you think some lakes look dark and others look clear?

Can water be pink?

Water often has no colour, but some lakes look pink. There are some microbes that live in water with a lot of salt, and pink lakes are full of salt. These microbes give the lake its pink colour.

Most pink lakes are not pink all the time. The colour changes in different months of the year because of the weather.

Pink Lake, Victoria, Australia



Halobacteria

Dunaliella salina

Microbes colour the water pink.



The pink Lake Natron in Tanzania is home to pink flamingoes.

 **WATCH!**

Watch the video (see page 32).

What type of weather makes the lakes more colourful?
What can people do in the lake?