

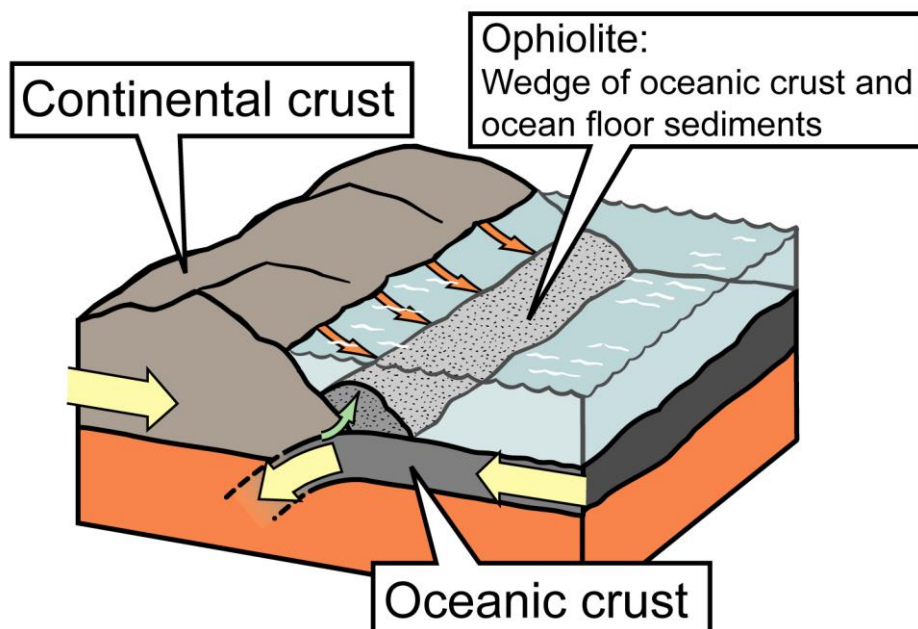
Carbon capture in Oman

Starter – Ophiolite and Peridotite

Ophiolite

Ophiolite is a rock formation, or suite of rocks that often includes rocks such as limestone, basalt, gabbro, and **peridotite**.

The ophiolite rock formations represent a section of Earth's oceanic crust that has been uplifted above sea level through tectonic processes, such as subduction or continental collision.



Source: J. Houghton © modified by the [Earth@Home project](#)

Using the world map in the PowerPoint, describe the distribution of ophiolite.

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What is carbon capture?

Watch the FT video and answer the following 5 questions below.

1. What needs to happen 'long term'? 0:40

2. It can be 'a part of how we address the problem' but what can it *not* be? 1:20

3. How many billion tonnes of emissions are there per year?

4. By 2030, what increase is needed in carbon capture to be on track to hit NetZero by 2050?

5. Oil and gas companies are the leading investors in CCS. What two reasons are given for their investment? 3:25

Who are 44.01?

Watch The Earthshot Prize video and answer the question below.

Who are 44.01 and they do?

Exit ticket

Using your exit ticket, write a question on something to do with today's lesson. Swap the ticket with your partner. To exit the classroom, you must answer the question correctly.



What should be reviewed in a future lesson?	★EXIT★ TICKET
How do you feel about your work today?	

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How do you feel about your work today?	

Exit Ticket © Grefintec's Shop via the [TES](#)