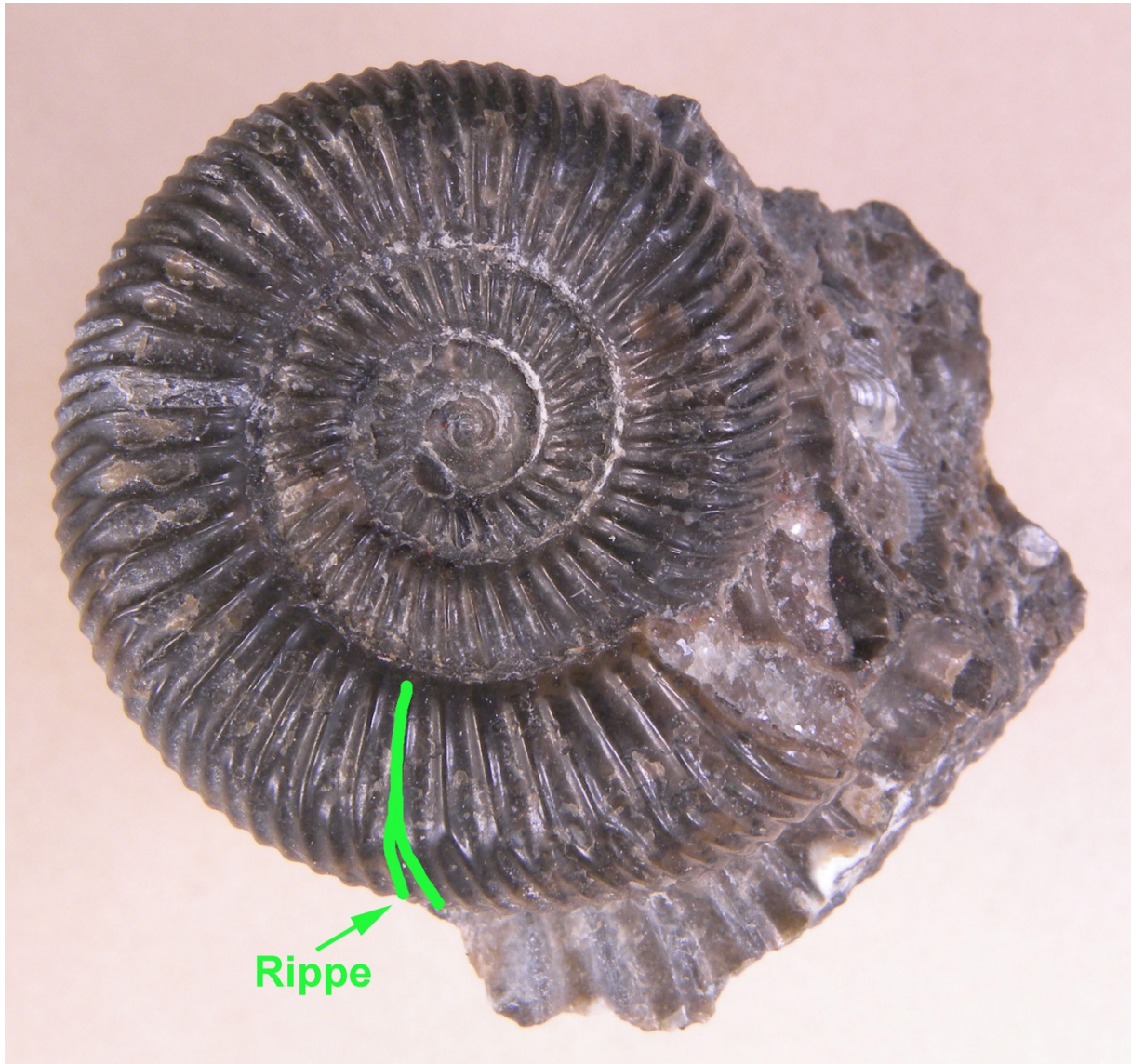


# Challenge „Jurassic World in Luxemburg “

## Level 2



## Task 1



You immediately recognized the spiral fossil as ammonite. What group of animals are the ammonites? Mussels, snails, squid, crayfish or vertebrates? Note: the shell of the ammonites is divided into chambers, similar to today's Nautilus.

Where does this group of animals live today and what does this tell us about the habitat in which the rocks were deposited?

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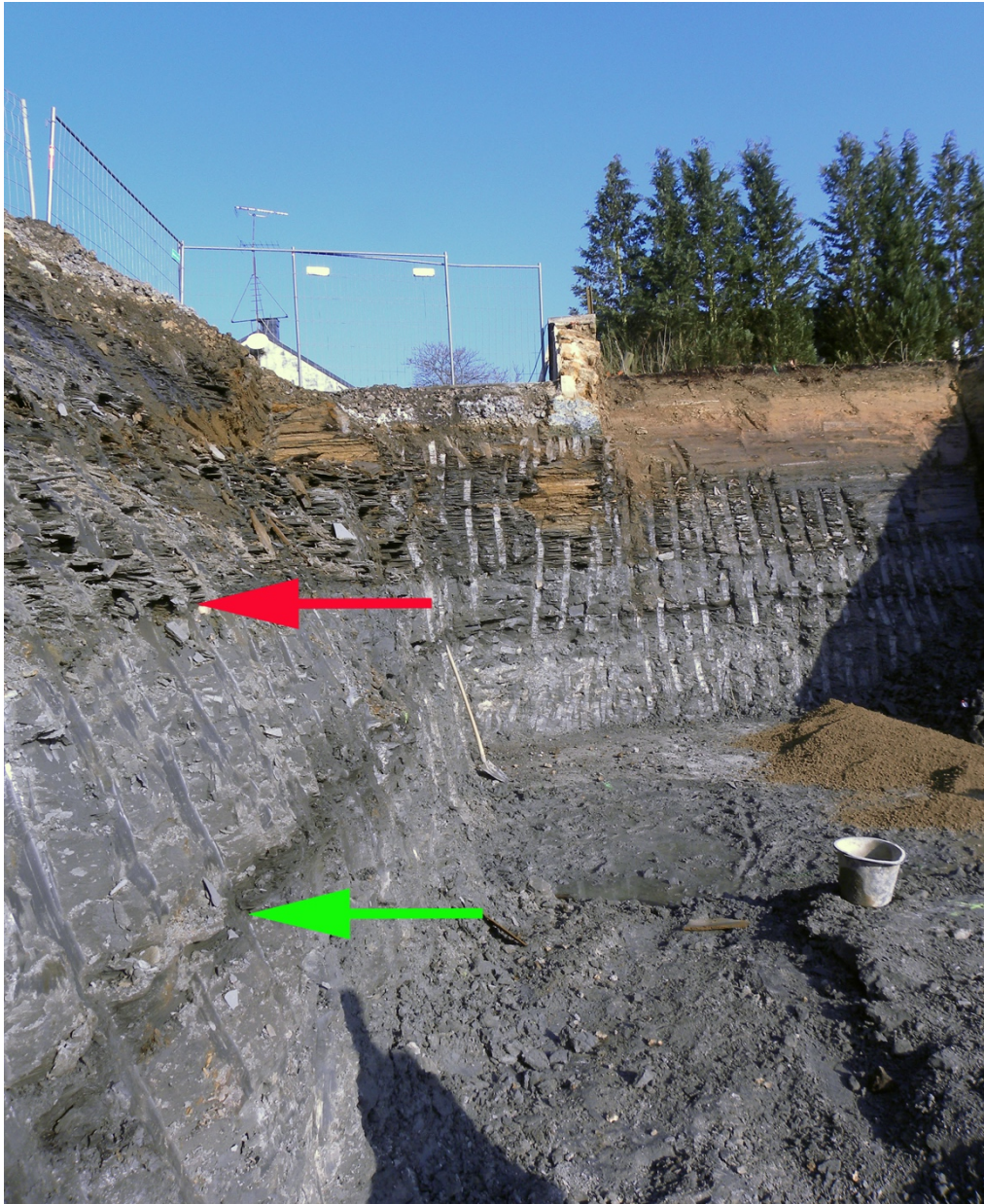
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## Task 2



You can see different layers on the construction site.

Which layer is the oldest, the one the green arrow points to or the one the red arrow points to?  
Why is that?

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### Task 3



Lucky you! You found a well-preserved ichthyosaur skull!

Ichthyosaurs are extinct marine reptiles. Superficially they looked very much like today's dolphins, with 4 paddles and a caudal fin.

When an animal is rediscovered, it gets its name from the scientists. Scientists often use names that come from Latin or Greek and that describe the shape, origin or a special feature of the animal.

The name "Ichthyosaurus" is composed of two Greek words. Do a research to find out what it means.

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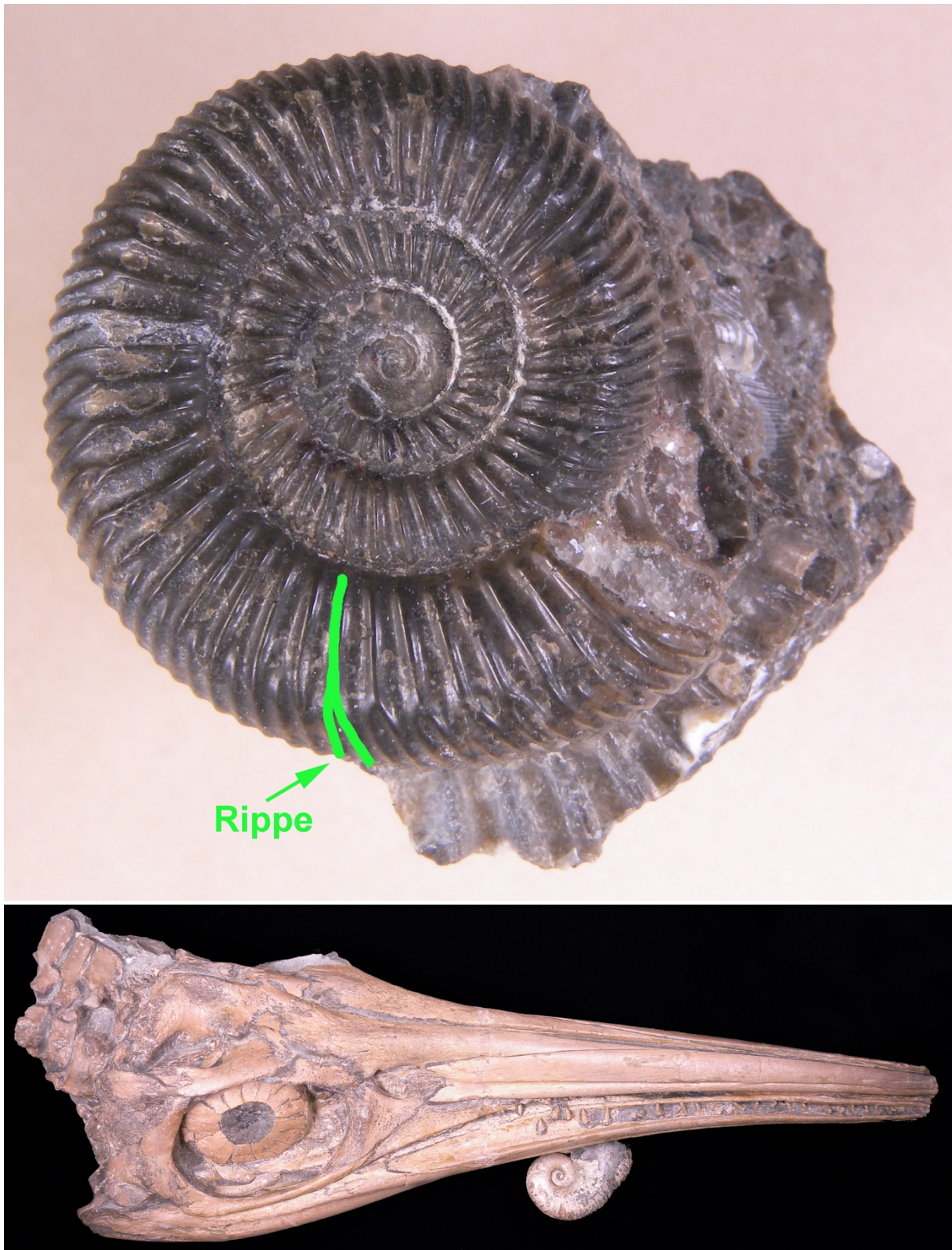
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#### Task 4



You found fossils of ammonites and ichthyosaurs. With this you have petrified evidence for two groups of living beings that swam in the Jurassic Sea in the area of today's Luxembourg. On the next page draw a picture of how you imagine the Jurassic Sea and its inhabitants (ammonites, ichthyosaurs, fish, crabs, ...).





### Bonus question



There is a great rarity among the fossils that you have found: a petrified wing of a grasshopper!

But wait, where do grasshoppers normally live?

How is it possible that a grasshopper could petrify together with an ammonite and an ichthyosaur?

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