

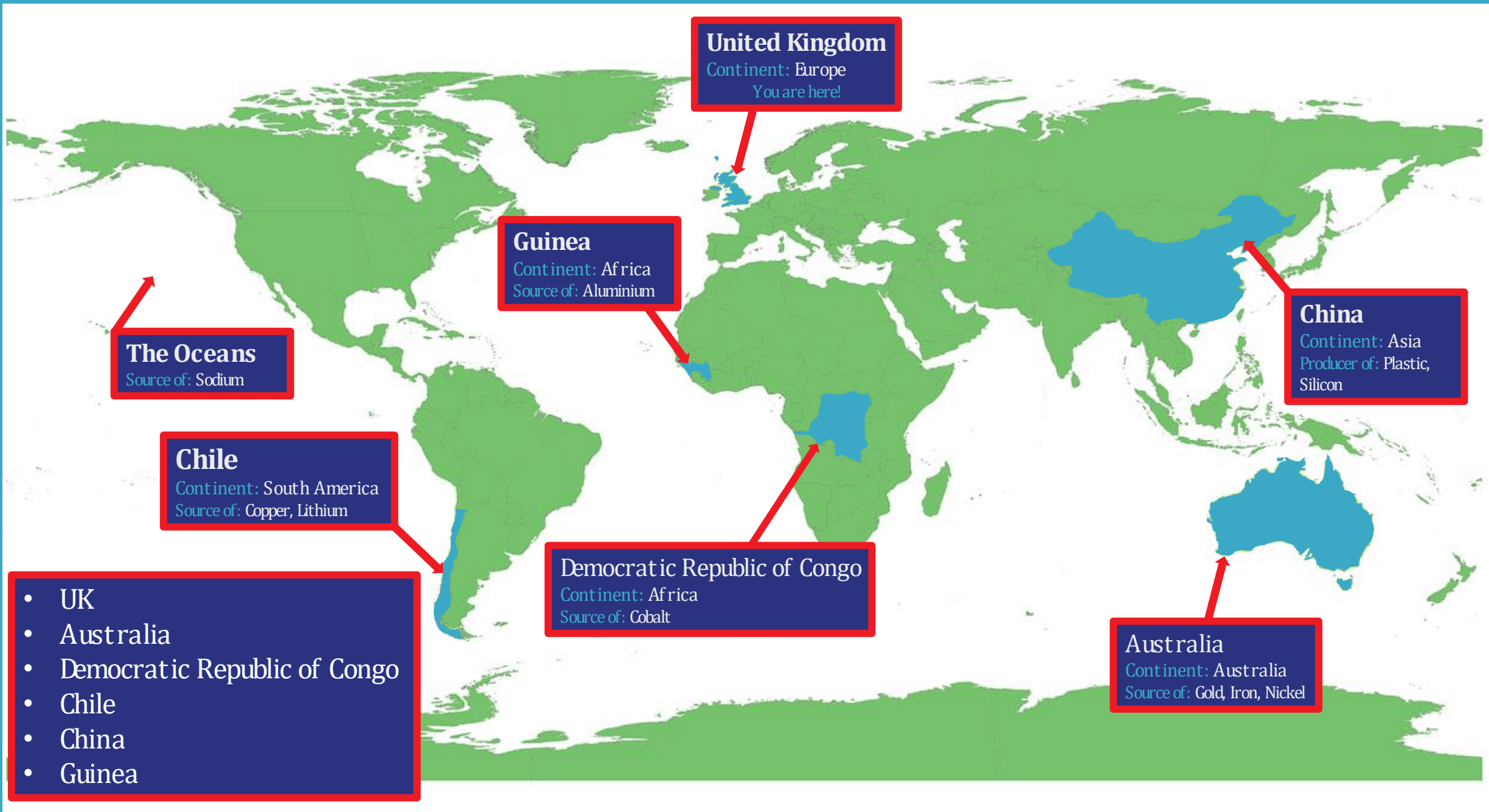
WHERE DO THE MATERIALS WE USE IN PHONES COME FROM?

Learning Outcomes:



Find out where various materials we use for our batteries come from.

Learn how we can reduce our impact on the planet.



- UK
- Australia
- Democratic Republic of Congo
- Chile
- China
- Guinea

Global materials



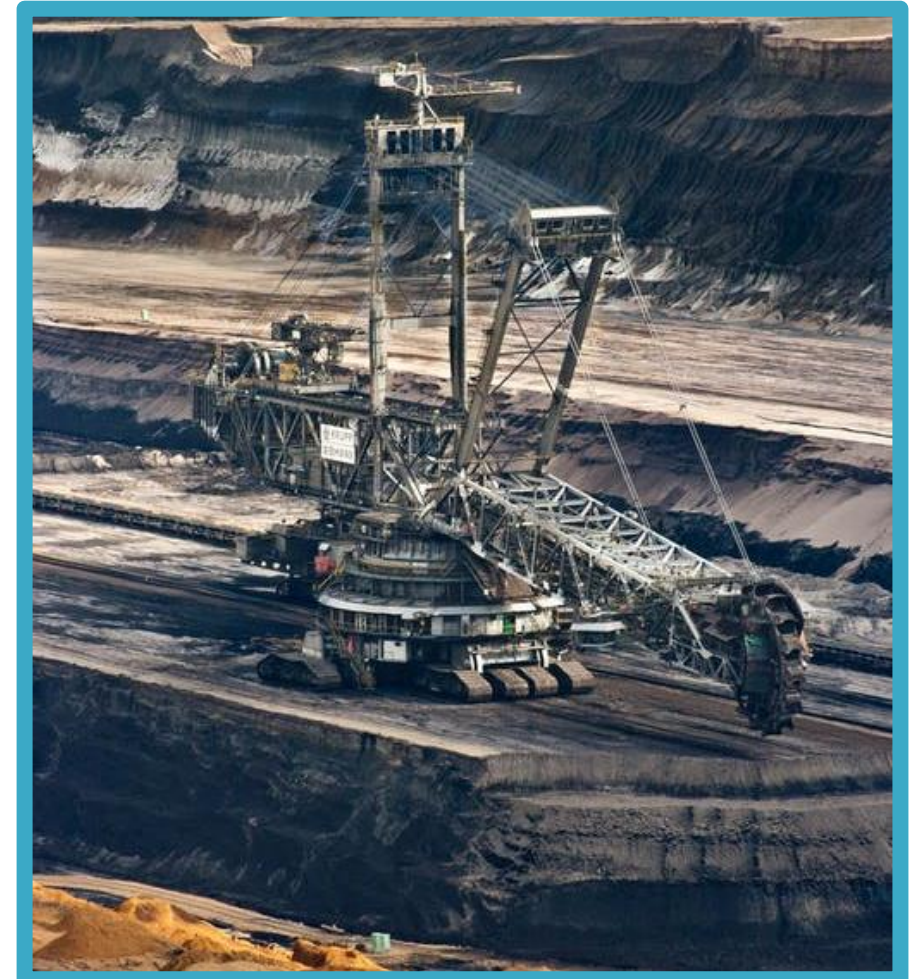
The materials we use in our phones come from all over the world.



It can be expensive and time consuming to bring them all to one place where they can be turned into the final product.



Batteries contain the most difficult to obtain metals including lithium and cobalt.



Wellbeing issues



Cobalt is an essential battery material.



Unfortunately, cobalt is often mined unethically.



As global citizens we have a duty to ensure everyone's rights are respected.



Environmental Issues



Lithium is an essential battery material.



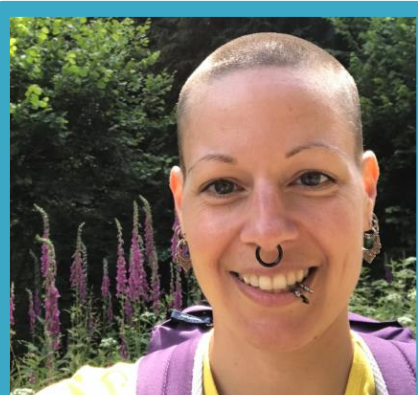
To make lithium for batteries we need to use a lot of energy.



This releases pollutants like carbon dioxide.



How can we achieve a more sustainable world?



Katja



Beth

We can help reduce the impact of batteries on the world.

Beth and Katja research batteries that don't use any cobalt.

Their research will eventually allow us to stop using cobalt.

Scientists are also working on batteries which use sodium instead of lithium.

Sodium is readily available from the oceans (and salt!).



THE FARADAY
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NEXT GENERATION LI-ION CATHODE MATERIALS

Go on a Battery Safari



Explore the world to find out where the most common battery materials come from and how they're used.

