

Miss MOLECULE & friends

Episode 1 -
'Lithium'

Created in collaboration with



STUDIO
WALLOP



GeoScience



Miss MOLECULE
& friends (episode 1)

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 Cornish Lithium

Hello! I'm Miss Molecule

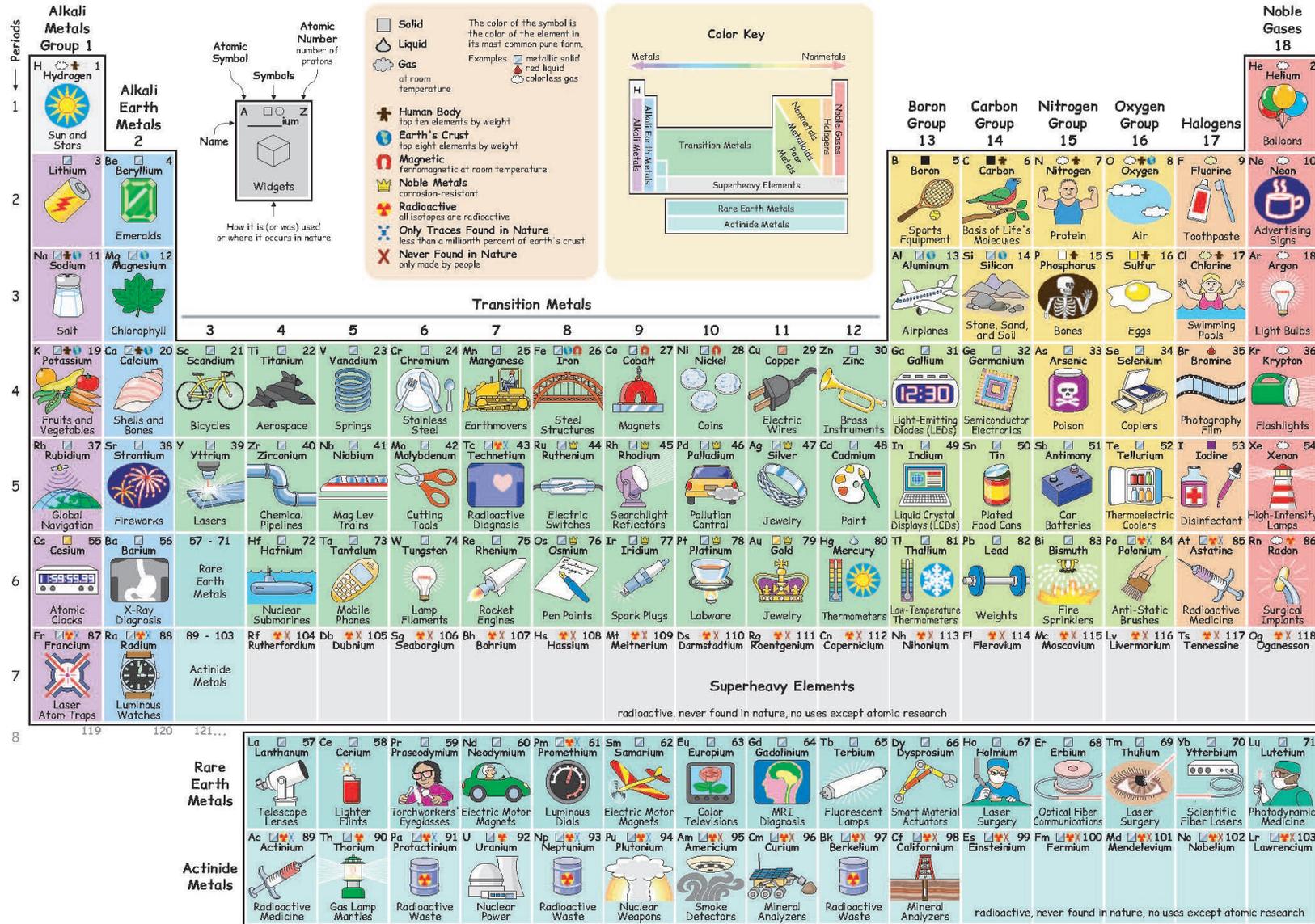
In this lesson you will learn:

- What Lithium is, where it comes from, and its uses
- What sustainable mineral extraction is, and its importance in helping combat climate change
- How Lithium is being extracted in the UK by companies such as Cornish Lithium



How many
minerals/metals can
you name?

The Periodic Table of the Elements, in Pictures



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But, what is the difference between a mineral & a metal?

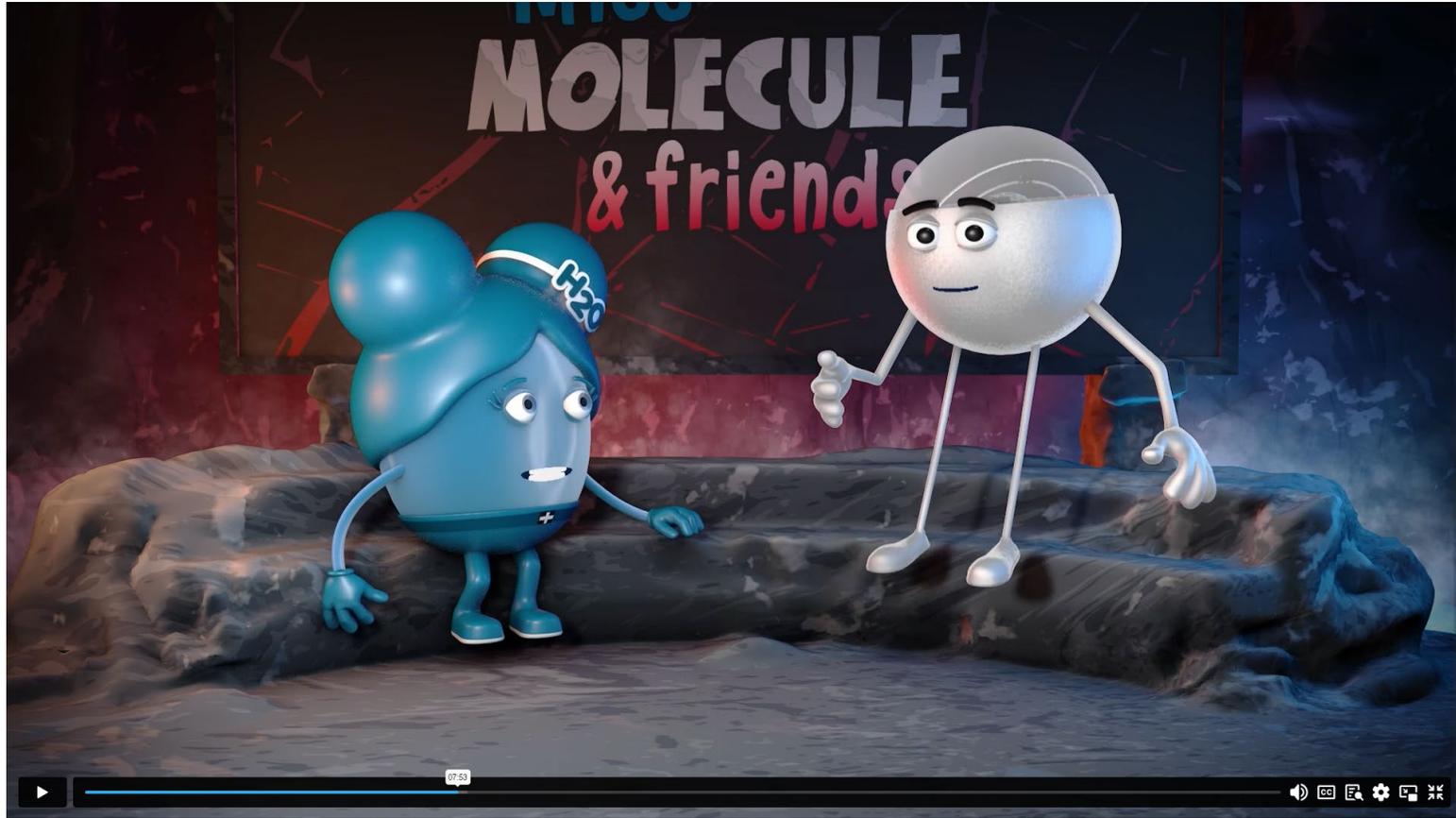
Minerals

- Solid at room temperature
- Naturally occurring
- Found in the Earth's crust
- Low melting & boiling points

Metals

- Good conductor of electricity
- Most are extracted from ores (minerals that contain metal compounds)
- High boiling & melting points

Watch the film to learn about Lithium!

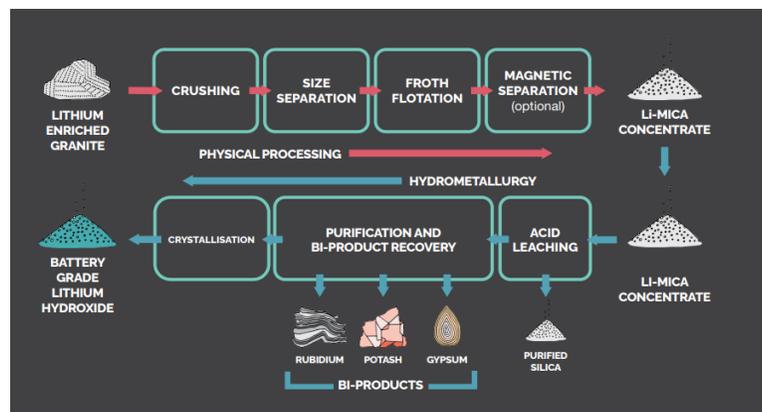


www.missmolecule.co.uk/watch

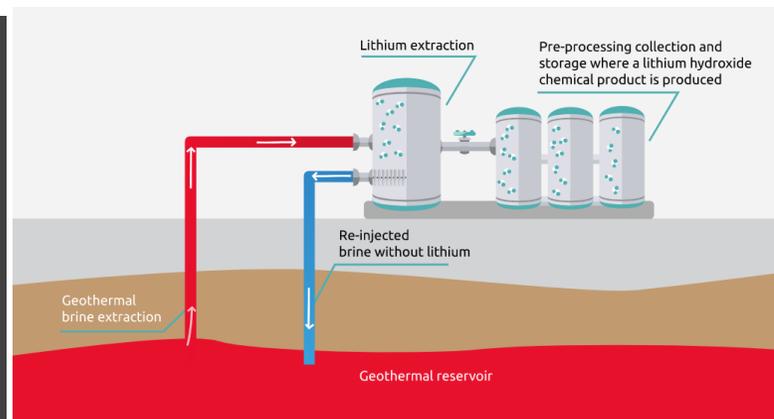
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Experiment!

Try these different separation techniques to see which one works best!



Magnetic

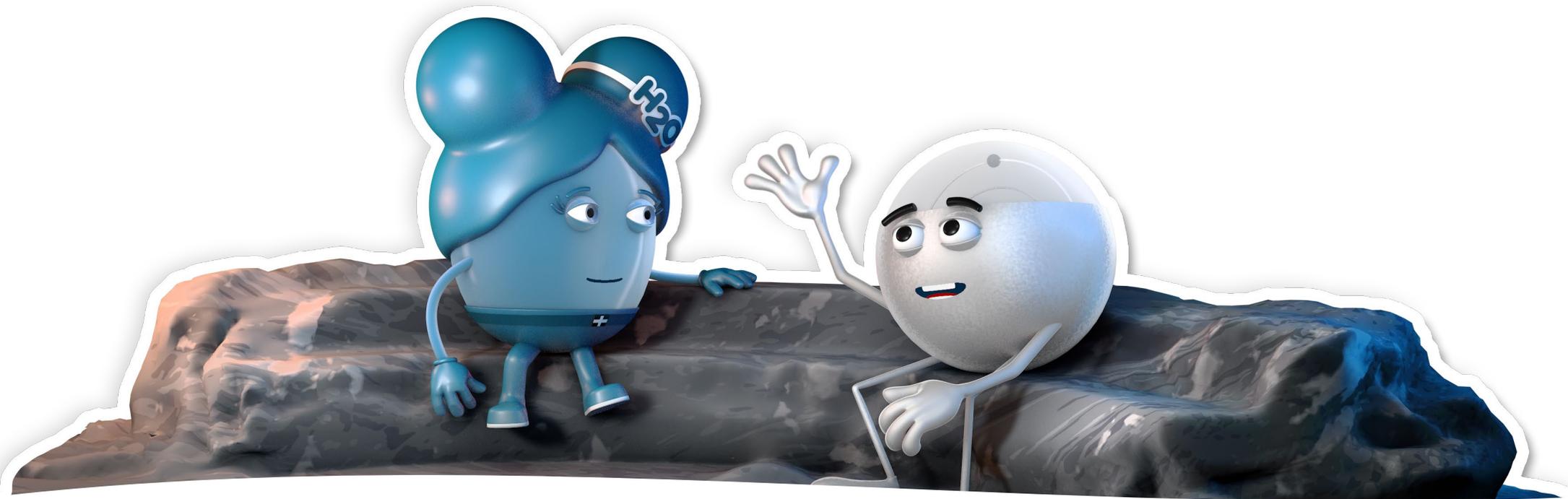


Sieving



Evaporating

Images sources, Cornish Lithium & NASA



Pop Quiz!

- What are the two methods of extracting Lithium in Cornwall?
- What job does Lucy do?
- What are some differences between a mineral and a metal?
- What job does Zoe do?
- What does 'carbon neutral' mean and what year does the UK hope to achieve it?



*Thanks for taking
part!*

Watch more episodes of Miss
Molecule & Friends online

www.missmolecule.co.uk

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