

Topic	The extraction of aluminium	Level	For students aged 11-16
Outcomes	<p>To describe how aluminium is extracted from its ore</p> <p>To describe and explain how aluminium extraction impacts people and the environment</p>		

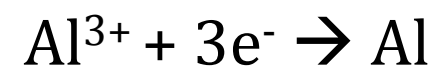
Ideas for this resource were inspired by Levinson, R. (2009) The manufacture of aluminium and the rubbish-pickers of Rio: building interlocking narratives, School Science Review 90(333) pp 119-124

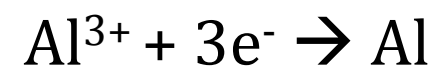


**These pictures are linked.
How?**

What scientific questions could you ask these pictures that would help you answer this question?







The extraction of aluminium

- The kinder egg is wrapped in aluminium foil
- Aluminium is found in a mineral called bauxite that is mined in regions of Malaysia
- During the mining process lots of bauxite dust is made
- Every mole of aluminium ions requires 3 moles of electrons to form 1 mole of aluminium atoms

Use these statements about the extraction of aluminum with the images to discuss how using aluminium affects people and the environment.

Now watch this video (<https://www.youtube.com/watch?v=ORkGFGCzos8>) and together with your own ideas write an answer to this question.

Should we continue to use aluminium considering the impact of the extraction process to people and the environment?