

C12: The Earth's Resources – part 2

Recycling

Extracting new metals is costly and uses lots of energy, usually from fossil fuels.

Recycling uses less energy and conserves resources. It also reduces waste in landfill.

Metals are recycled by melting them down and casting them into a new shape.

Glass can be recycled but colours are separated first. Bottles can be recycled without reshaping.

Sustainability

Taking into account the needs of the **current generation** but not damaging lives of **future generations**.

It is unsustainable to continue to use non-renewable resources. We can't stop using them completely but reduce the amount we use by adapting industrial processes, eg. use of catalysts to lower energy costs.