

Define the keyword 'finite'.

A limited amount/ will run out.

Give an example of a finite substance from this topic.

Metal ores/meta/oil/plastic

Why should we recycle metals?

Metals are a finite resource.

Extracting metals damages the environment by destroying habitats and producing pollution.

Define the keyword 'bias'

Showing prejudice towards or against a particular group/product/situation.

Create an example of a company being biased.

A company selecting research that supports their product, maybe in terms of not producing pollution or not affecting wildlife.

In which layer of the Earth are metals and metal ores found?

Crust

Why carry out a Life Cycle Assessment?

To determine the environmental impact of a product from extraction of raw materials to disposal of the product.  
How to reduce the impact can then be worked out.

How can manufacturing a product affect the environment?

Extracting the raw materials from the ground (quarrying, mining etc)  
Processing the raw materials so they can be used to make the product.  
Packaging the product.  
Transporting the product to the shop/consumer.

## 7.9 Earth's Resources

How can the environmental impact of manufacturing a product can be reduced.

Make the product from recycled materials.

Power its production using renewable energy resources.

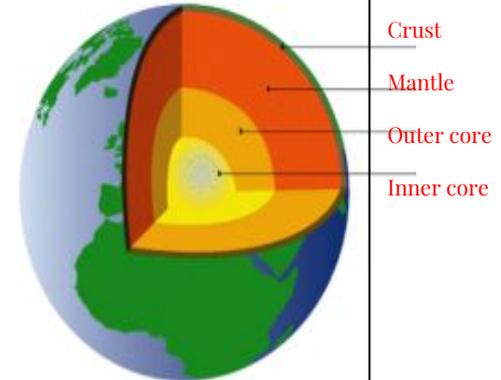
Make the product in the country where it will be sold.

Use less packaging.

Label the diagram below:

List the three stages of a Life Cycle Assessment (LCA).

1. Manufacture,
2. use and disposal of a product
3. the impact of each stage on the environment.



Advantages of recycling

Disadvantages of recycling

Protects environment as less raw materials extracted.

Items need to be collected and transported to recycling station which causes pollution.

Sustainable use of resources.

Recycled products are not always as durable.

Less pollution as less processing needed for recycling.

The recycling process releases pollution.

Less landfill.

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Why should we recycle metals?

Define the keyword 'bias'

Create an example of a company being biased.

In which layer of the Earth are metals and metal ores found?

Why carry out a Life Cycle Assessment?

## 7.9 Earth's Resources

How can manufacturing a product affect the environment?

Give two ways that the environmental impact of manufacturing a product can be reduced.

Label the diagram below:

Advantages of recycling	Disadvantages of recycling
Protects environment as less raw materials extracted.	Items need to be collected and transported to recycling station which causes pollution.
Sustainable use of resources.	Recycled products are not always as durable.
Less pollution as less processing needed for recycling.	The recycling process releases pollution.
Less landfill.	

List the three stages of a Life Cycle Assessment (LCA).

