



Worksheet: Recycle, Grade 5 Science and Technology

Life cycle analysis of a common plastic water bottle

Plastic water bottles are made from (raw material): _____

We get it from the earth by: _____

It is diverted from the garbage by: _____

It can be made into: _____

Life cycle drawing of our product/packaging.

Please use arrows to show the relationship between various stages. Use the images on page 2 to help.



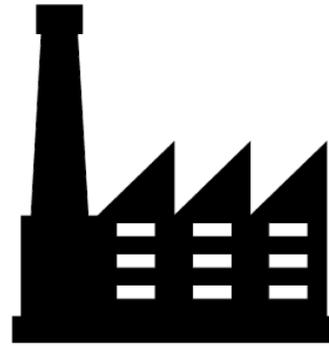
Product Distribution
Plastic bottles are sold in stores



Raw Material Extraction
Raw materials (e.g. oil) are extracted from the earth to make plastic bottles



Recycling
People place plastic bottles in the blue box



Manufacturing
Raw materials are processed to make plastic bottles



Use of Product
People use plastic bottles



Materials Recovery Facility
Plastic bottles that end up here are separated and shipped to a manufacturing facility for recycling

Answer the following questions:

1. What are some potential environmental impacts of extracting the raw material(s) from the earth to produce a plastic water bottle?

2. How does recycling help protect the earth and conserve resources?

The Regional Municipality of Durham - Waste Management Services

If this document is required in an accessible format, please contact schoolprograms@durham.ca

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