

Energy chains

CURRICULUM LINK:

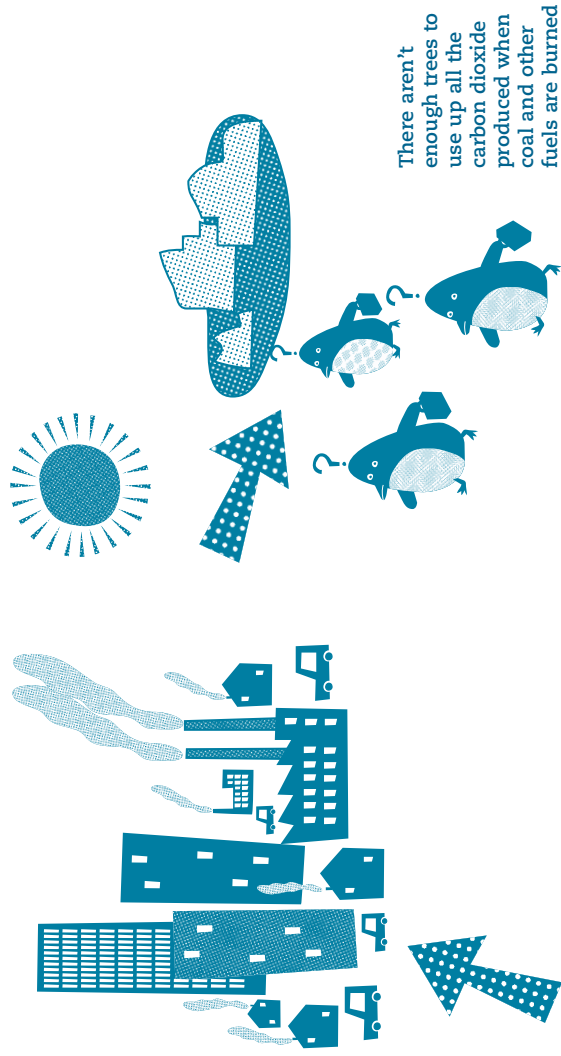
Energy books—*Energy Resources in Ireland*, Chapter 5

The ways energy resources are made and used often forms a cycle or a chain. These cycles may be repeated and repeated or may be broken.

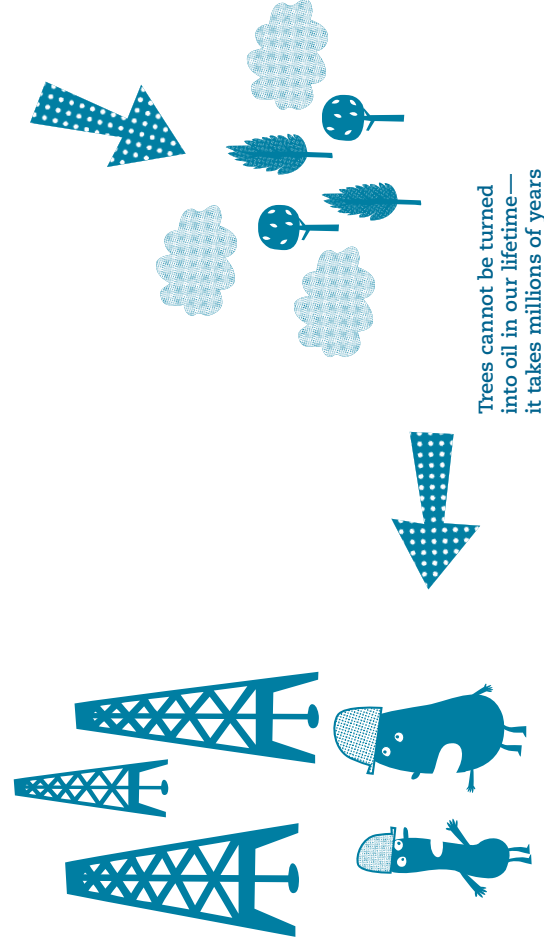
Here are three energy chains. One of the three is a chain that is broken. Can you tell which one? Mark on the chain where you think the break in the energy cycle is.

The Fossil Fuel Energy Chain

When we burn fossil fuels, such as coal, oil and gas, there is a build-up of carbon dioxide and other greenhouse gases in the atmosphere. This leads to global warming and climate change.

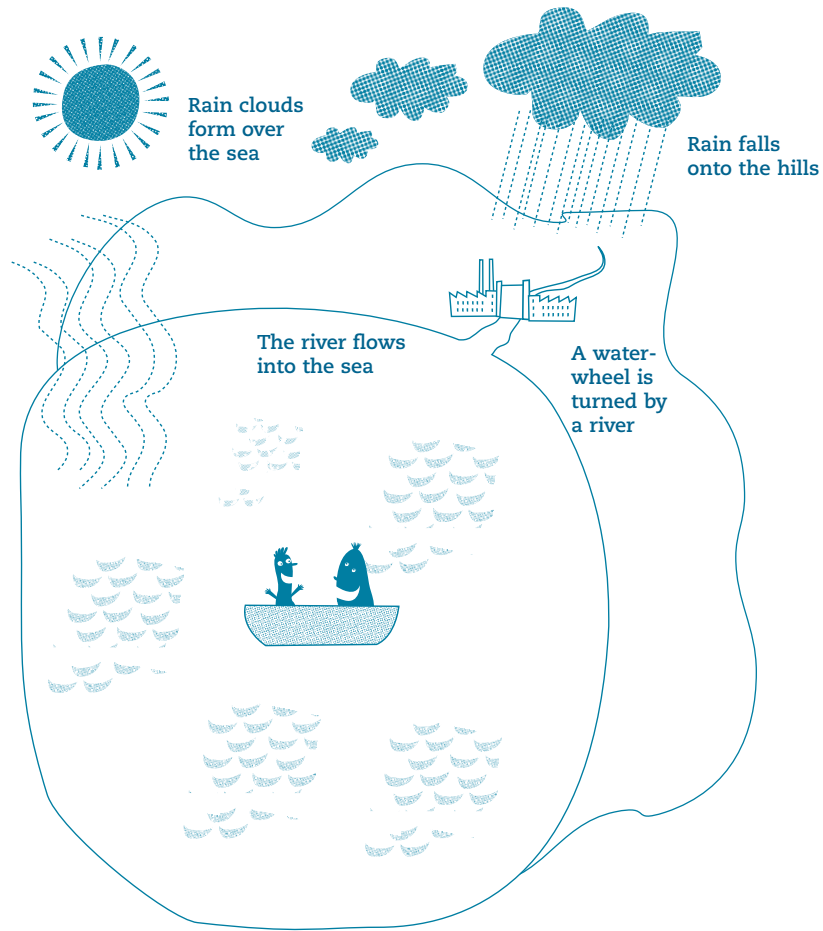


Millions of years ago trees died and were slowly turned into oil—this oil is extracted today

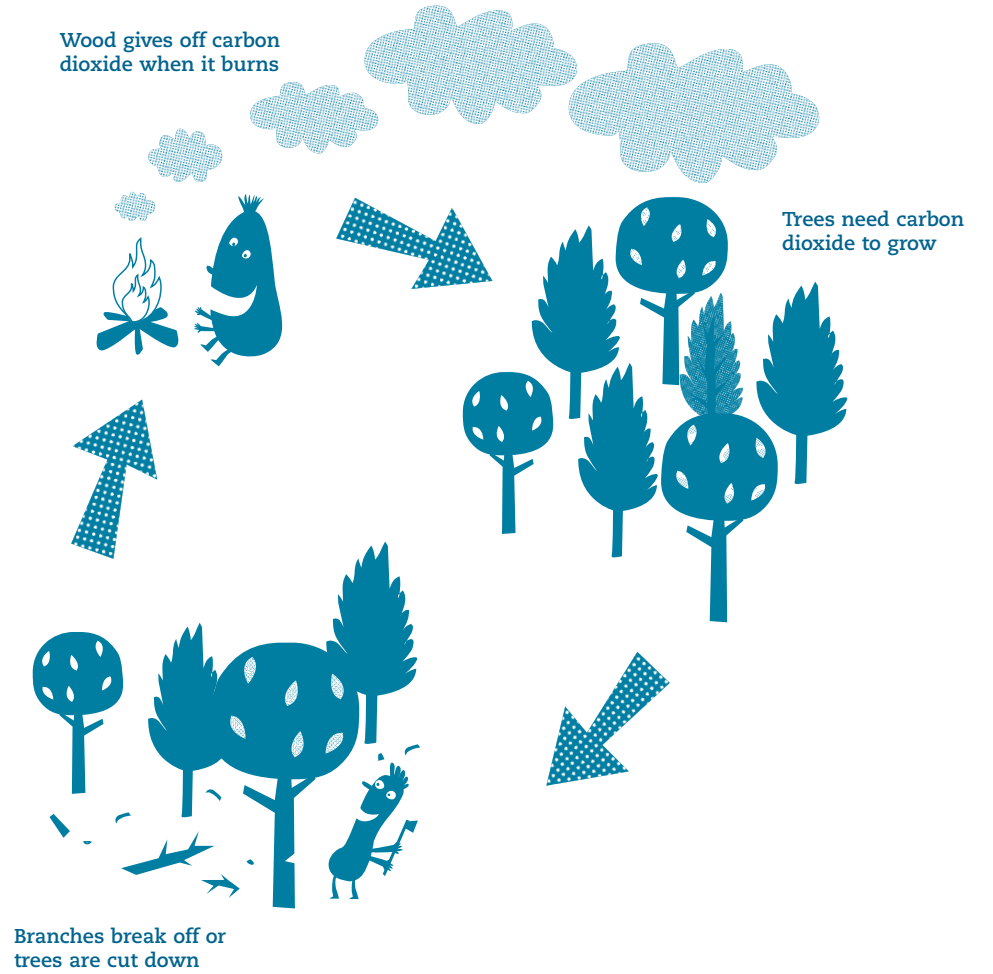


Energy Chains

The Water Chain



The Wood Chain



Energy Chain worksheet solution:
The Fossil Fuel Energy Chain is not continuous between the steps 'trees cannot be made into oil in our lifetime, it takes millions of years' and 'millions of years ago, trees died and were slowly turned into oil'