

# Energy Transfer in Nature

Real World Energy  
Learner Activity Instructions  
Grade Level: 9-12



## What you will learn:

You will learn about the Earth's energy budget, the movement of water and air around the Earth, the carbon cycle and the role of carbon sinks, food chains and webs and the potential impacts of global climate change on all of these things.

## What you will need:

For this activity, you will need to print the learner worksheet and background (or ask your educator to print it for you).

## Background

You will examine different components of energy transfer in nature and see how these are affected by global climate change. Climate change is a continuing topic of debate but scientific research has shown trends of a changing climate. Climate change is more than global warming. Climate change has the potential to affect our health, harm our environment and damage our economy. It is about the impacts on the earth's energy budget, the carbon cycle, air, water, food chains, disease and much more.

## How to do it

1. Obtain the materials listed above.
2. Read the [backgrounder](#) on energy transfer in nature.
3. Examine the different areas of study and answer the questions on your worksheet.