



RENEWABLE ENERGY FACT SHEET 1

SIDE A

Renewable Energy occurs naturally and continuously in our World and does not get used up.

BIO-ENERGY

from decomposing or burning plant and animal matter



SOLAR ENERGY

from the sun



WIND ENERGY

from the movement of warm and cold currents of air



GEOTHERMAL ENERGY

from heat deep under the ground



TIDAL ENERGY

from the pull due to gravity of the moon on the sea



WAVE ENERGY

from the effect of the wind on the sea



HYDRO ENERGY

from flowing water



Our Current Use of Energy

At the moment only between 2% and 3% of the energy we use in the World as a whole, comes from **renewable** sources. The rest of our energy (electricity, heat and transport) comes from burning **fossil fuels** (oil, coal and natural gas) and from **nuclear** power.

FOR AND AGAINST

RENEWABLE ENERGY:*

- ◆ does not produce dangerous waste or poisonous chemicals
- ◆ does not cause climate change
- ◆ will not get used up
- ◆ technology is still being developed so is not yet available to everyone
- ◆ is usually more expensive than fossil fuels

NUCLEAR POWER:

- ◆ produces dangerous waste
- ◆ does not cause climate change
- ◆ the technology is well developed and we are all currently dependent on it

FOSSIL FUELS:

- ◆ produce poisonous chemicals
- ◆ cause climate change
- ◆ will get used up
- ◆ technology is well developed and we are all currently dependent on it



* See the 7 fact sheets on each of the 7 types of renewable energy. These give more information on each type and more advantages and disadvantages of each.