



# Enough for everyone

## Year 5 Autumn Term Key Knowledge Organiser (Geography)

### Key Vocabulary

Environment	Our planet provides everything that we and all living things need.
Greenhouse gas	Special types of gas in the atmosphere. They let sunlight through but stop heat from escaping, like a greenhouse, so the Earth warms up.
Energy	Makes everything work.
Power	Electricity, gas and oil are all sources of power. They give us energy to make things work.
Non-renewable	Power sources such as coal, oil and gas cannot be replaced once they have been used.
Renewable	Power sources that can be replaced. This means they will never run out. Solar power, wind power, geothermal power, biomass and wave power are all renewable.
Recycling	Making rubbish into something new.
Waste	Rubbish that is thrown in the bin or recycled.
Landfill	A place where waste is kept. Waste is usually buried in landfills.
Land use	What the land is used for.

### Key Facts:

- It is estimated that fossil fuels will last... oil - approximately 56 years, gas: approximately 55 years and coal: approximately 100 years.
- The world's first nuclear power station was built in Cumbria, England in 1956.
- Wind power is one of the most popular forms of renewable energy. There is no fuel involved so once the turbines are up and running, they make no air pollution.
- Our closest tip and recycling centre is located at Merchants Way, Aldridge, 6 minutes (1.3 miles) from our school.

Reduce  
Re-use  
Recycle



### Renewable power sources



Wind turbines turn the energy from the wind into electricity.



Solar panels turn the energy from sunshine into electricity.



The energy from heat deep underground can be turned into electricity. This is geothermal energy.



Biomass means 'natural material'. It is burned to create energy.



### Did you know??

- Paper and card make up 40% of the waste collected for recycling from UK households
- In the UK we throw away around 455,000 tonnes of plastic bottles every year - equivalent to around 9.1 billion bottles.
- Each UK household produces over 1 tonne of waste per year. This is the weight of a small car.
- The glass we recycle in the UK each year saves enough energy to launch 10 space shuttle missions
- Recycling one aluminium can save enough energy to power your TV for three hours.