

Geography

Watch!

The video is on the Geography Home Learning page!

What is renewable energy?

What is non-renewable energy?

What are the benefits of renewable energy?

Renewable Energy

What is renewable energy?

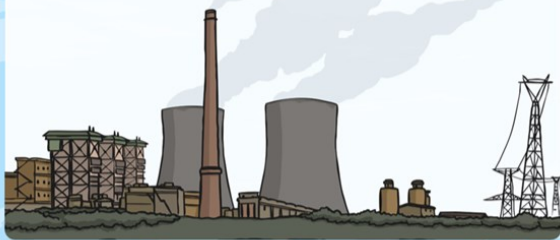
Renewable energy comes from natural resources that are naturally replenished, such as sunlight, wind and waves.



Non-Renewable Energy

What is non-renewable energy?

Non-renewable energy comes from natural resources that are not naturally replenished, such as oil and coal.



Why Don't We Use Renewable Energy All the Time?

- Renewable energy, such as wind or sunshine, can't be stored to be used whenever we need it.
- If the wind doesn't blow, or if it isn't very sunny, then there may not be enough power for everyone.
- Non-renewable resources, such as oil or coal, can be stored and used when they are needed.
- Non-renewable energy is usually cheaper than renewable energy, which means not everyone can afford to use renewable energy.



Solar energy...

Solar cells make no noise at all and very little maintenance is required to keep them running. Solar panels on the roof may be expensive when they are first installed but money will be saved in the long run.

However, solar energy cannot be harnessed during a storm, on a cloudy day or during the night.



Wind energy...

Wind turbines can be placed in empty locations and they do not produce carbon dioxide or any other pollutants which are harmful to the environment. They are a very cost effective source of energy.

However, they are expensive to install and they can affect animals habitat and life expectancy.



Geography

Hydropower...

Hydropower energy comes from moving water. It is fairly cheap to use and it can work on a massive scale, providing a large amount of energy. It is also one of the easiest methods to transport to other sources.

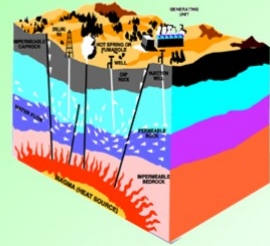
However, it requires flowing water to work and some of the reservoirs can be filled with dirt which means it then cannot be used.



Geothermal...

Geothermal energy is heat energy generated and stored from the Earth. This type of energy does not create any pollution and it does not require a large space to build on. It is also very efficient and long lasting.

However, the source of this is very close to volcanic activity and it cannot be transported.



REDUCE
REUSE
RECYCLE

Use all of this information to create a beautiful leaflet. Choose three sources of energy. Make sure you use your best handwriting and draw beautiful pictures. Make it colourful and eye-catching.