



Renewable Power

Instructions

The following list of energy sources are to be presented to students – each one may need to be described briefly:

1. **Coal and fossil fuels** – fossilised plant matter is mined in large quarries and burnt in power stations to generate electricity
2. **Solar power** – solar panels convert the sunlight that hits them directly into electrical energy
3. **Geothermal power** – heat produced deep inside the Earth is converted to electricity in geothermal stations
4. **Wind energy** – large turbines are built in windy areas; the wind rotates the turbine fans and that energy is converted to electricity
5. **Hydro power** – water flowing through rivers is used to spin large turbines (like wind power!) and converted into electrical power
6. **Nuclear power** – radioactive elements are mined from the ground and placed into reactors where the radiation is converted into electrical energy

Ask students to sort the power sources above into renewable and non-renewable sources.

Renewable power – power that comes from natural sources that can be replenished and won't run out

Non-renewable power – power that comes from a sources that can run out