

Renewable Energy Sources Video Worksheet

Renewable Energy - Fossil, Nuclear, Biomass, Wind and Solar.mp4
Webpage/Environmental/renewable energy.mp4

List the percentage usage of coal, oil, gas and nuclear power in the UK.

State the percentage usage of renewable energy in the UK.

What is 1 unit of energy?

How many units of energy does the average UK household use on a daily basis?

How many units is that per year?

How many watt hours is that?

How is electricity produced?

Give an analogy for the size of the magnet in generator in a coal fired power station.

Which of the sources of energy do not have their original source of energy as the sun?

	Advantages	Disadvantages	Cost	Renewable (Y/N)	Reliable (Y/N) and Why	Scalable
Fossil fuels	Cheap, easy to transport, reliable, abundant					Y, it provides 2/3 of our E needs
Nuclear		Expensive set-up and disposal, CO2 produced in mining and set-up of plant		N		
Biomass						
Wind			Cheap		N, requires av. wind speed > 7ms ⁻¹	
Hydroelectric (dams)	H/W					
Solar electric						
Geothermal	H/W					
Solar heating	H/W					
Hydroelectric (tidal)	H/W					
Hydroelectric (waves)	H/W					