

**71a – Green living/Fuelled by fossils**

Word	Pronunciation	Meaning
coal		A fossil fuel made from the remains of plants.
electricity		A way of transferring energy through wires.
energy resources		Stores of energy that we need for heating, transport and to keep our bodies working.
fossil		The remains of a dead animal or plant that became trapped in layers of sediment and turned into rock.
fossil fuels		Coal, oil and natural gas – all fuels that were formed from the remains of dead plants and animals.
fuel		Anything that stores energy that can be converted into heat energy e.g. fossil fuels and nuclear fuel.
generate		Produce electricity by turning a magnet inside coils of wire.
global warming		The Earth's atmosphere warming up. It may be caused by too much carbon dioxide in the air.
law of conservation of energy		The idea that energy can never be created or destroyed, only transferred from one form into another.
natural gas		Fossil fuel formed from the remains of dead plants and animals that lived in the sea.
non-renewable		Any energy resource that will run out and we cannot renew our supplies of it (e.g. oil).
oil		Fossil fuel formed from the remains of dead plants and animals that lived in the sea.
sustainable		A way of living that does not use up non-renewable resources or harm things in our surroundings. Something that is sustainable allows things to continue into the future.
transfer		To move from one place to another. For example, when a fuel burns, energy stored in the fuel is transferred to the thing being heated.

**71b – Using less**

No new words.

**71c – Other energy resources/Green transport**

Word	Pronunciation	Meaning
biodiesel	<i>bi-O-dee-zel</i>	A fuel made from vegetable oils that can be used in car engines that were originally designed to use diesel fuel.
biofuel		A fuel made from plants or from animal droppings.
biomass fuel	<i>bi-O-mass</i>	A fuel that comes from plants, animals or their wastes (e.g. wood, methane from rotting plants.).

**71c – Other energy resources/Green transport (continued)**

Word	Pronunciation	Meaning
fuel cell		A machine that combines hydrogen and oxygen gases to produce electricity.
geothermal power	ge- <i>O-therm-al</i>	Generating electricity using heat from hot rocks underground.
hydroelectric power	hi- <i>drO-el-eck-trick</i>	Generating electricity by letting falling water (usually from a reservoir) turn turbines and generators.
nuclear power		Generating electricity by using the energy stored inside uranium.
radiation	ray- <i>dee-ay-shun</i>	Dangerous particles and energy given off by uranium and other radioactive materials.
renewable		An energy resource that will never run out (e.g. solar power).
solar cells		Flat plates that transfer light energy into electrical energy.
solar panels		Flat plates that use the Sun's energy to heat water.
solar power		Generating electricity by using light or heat energy from the Sun.
uranium	yer- <i>rain-ee-um</i>	A fuel used in nuclear power stations.
wind turbine		A kind of windmill that generates electricity using energy from the wind.

**71c – Focus on: Using energy resources**

Word	Pronunciation	Meaning
tidal power		Generating electricity using the energy transferred from the tides.

**71d – Eat up!**

Word	Pronunciation	Meaning
joule (J)	<i>jool</i>	The unit for measuring energy.
kilojoule (kJ)	<i>kill-O-jool</i>	There are 1000 joules in 1 kilojoule.

**71e – The source is the Sun/Science: cause or cure?**

Word	Pronunciation	Meaning
convection current	con- <i>veck-shun</i>	A flow of liquid or gas caused by part of it being heated or cooled more than the rest.
photosynthesis	foto- <i>sinth-e-sis</i>	Process that plants use to make their own food. It needs light to work. Carbon dioxide and water are used up. Food (a sugar called glucose) and oxygen are produced.
tidal power		Generating electricity using the energy transferred from the tides.