Energy Types

Туре	Where found Renewable /non-renewable	Picture	+ and -
Facell finale	Lith		- Celeane green
Fossil fuels	LITA	nerosenes SALS	- reliance green *house gases
- Coal, oil and natural gas are burned in power plants	NR	oil coal	- will eventually run it - creates employment
Nuclear energy	Lith		* radiation * disasters
- Radioactive element (uranium) is mined and when the atom is split a tremendous amount of energy is created	NR		- a little creats a lot generay - Cleaner than # for no GH gases - asset ground
Geothermal	Lith		_ no harm to
- From the internal heat of the Earth where hot magma lies, a fluid is circulated deep underground, heated, and then returned to surface.	Ren	Continued Energy for the Home	tenv. - limited possibilities for personal use - need nure energy to produce heat -location (conhalp
Hydro electricity	hdo-		- bloods, dest-
- Derived from movement of falling water to spin turbines which are located in a dam - Main source of energy in Quebec	hydro	- On Olterak	ruction of lands organisms die or migrate no pollutents released. im genry nuded.
Wave and ocean	hydro	VIO SSTITETINE	- No bollneys
current -energy obtained from the flow of ocean tides when underwater turbines spin.	ren	-animals can. Ret stuck a clie	released - Smaller than dan so less land desti - can and produce - can and produce leart an amount of energy, so other sym
	1 4	364 2/ar/19 016	Ex (122) 20 0 1 2 2
Tidal - Electricity can be generated from tides when water from a high tide is collected	ren	- Mose de Peroca	- can aftect migretron: patter no gamads - does not use up
3		then	THEN MING TOWNS
Wind turbines - As blades turn, they activate an electric generator	ven		-unpredictable so alternate source needed. - needs a lot of land
Sun (photovoltaic)	atmos	-blat land	_
- The sun's energy is captured causing electrons to flow creating current electricity.	ren	- wind turbins kill birds a other migration	- energy Can not be Stored - Clean - wind turbies are Loud

Recap:

- Fossil fuels is the only one which contributes to global warming.
- Fossil fuels are coal, oil and natural gas.
- Nuclear power plants does not contribute to fossil fuels, but a nuclear meltdown can have devastating effects.
- Geothermal, hydro, wave, tidal, solar and wind are all renewable.

Past exam questions

- 1. Which of the following technologies uses an energy source derived from the lithosphere?
 - A) Tidal barrage
 - B) Wind turbine
 - C) Photovoltaic cell
- D) Coal-fired plant
- 2. A community in Gaspé is researching the environmental impacts of different energy sources. Below is a list of possible environmental impacts
 - 1. Tidal barrages can disrupt marine life.
 - 2. Tidal power plants and coal power plants release greenhouse gases.
 - 3. Nuclear power plants create no greenhouse gases.
 - 4. Flooding is a concern in the building of hydroelectric dams.

Which of the above statements are true?

1, 2 and 3

(C) 1, 3 and 4

B) 1 and 4

2 and 3