

Super Powers - renewable energy



1. In the table below are 5 different types of renewable energy – can you link up with an arrow an advantage of each one?

Biofuel	It uses plants to create fuel and can be used in many different places and absorb carbon dioxide as they grow
Wind Power	A reliable source of energy generating 85% of global renewable energy
Solar Power	This energy uses the natural heat from beneath the Earth's surface to create electricity
Hydro-electric	Can be used on individual buildings or in huge "farms"
Geo-thermal	Can be located on the land or the sea

2. In the table below are 5 different types of renewable energy – can you link up with an arrow a disadvantage of each one?

Biofuel	Cloudy days means less power
Wind Power	The land use to grow the crops could be used for food instead
Solar Power	On calm days there is little wind to drive the turbines
Hydro-electric	The dams can be very expensive
Geo-thermal	Not all parts of the world are in areas with volcanic activity close to the surface

3. In Milton Keynes we have a unique facility turning our black bin bag waste into energy.

Recovers recycling Compost organics Energy created

In your own words explain how this is a good thing for Milton Keynes.
