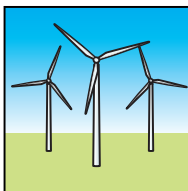


# RENEWABLE ENERGY

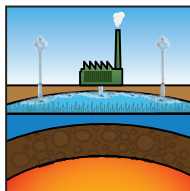
We make electricity by converting different forms of energy, from either **renewable** or **non renewable resources**.

Renewable energy is energy found in the earth's resources that replenish naturally, meaning they will never run out. For example the wind keeps blowing, the sun keeps shining and the trees keep growing.

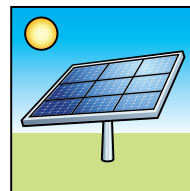
**Renewable energy resources include:**



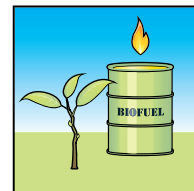
Wind



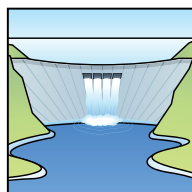
Geothermal



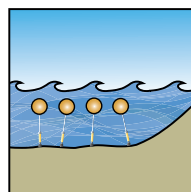
Solar



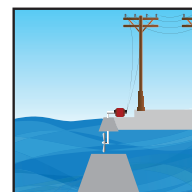
Biomass



Hydro



Wave



Tidal

Each of the renewable energy sources above have advantages and disadvantages. Renewable energy sources as one big group also has some advantages and disadvantages. The biggest advantage of renewable energy resources is that they are environmentally friendly as unlike most non-renewable resources, they produce no greenhouse gas emissions. They also make little to no waste, create less disruptions to land by cutting down less trees and are less harmful to people or animals.

There are some disadvantages to generating electricity from renewable resources. We can't guarantee that every day the sun will be shining and the wind will be blowing so sometimes renewable energy sources don't produce as much electricity as we need. Climate and geography also impact on the availability of renewable energy sources. For example, an area that doesn't have high wind speeds would not be the best place for wind turbines.