

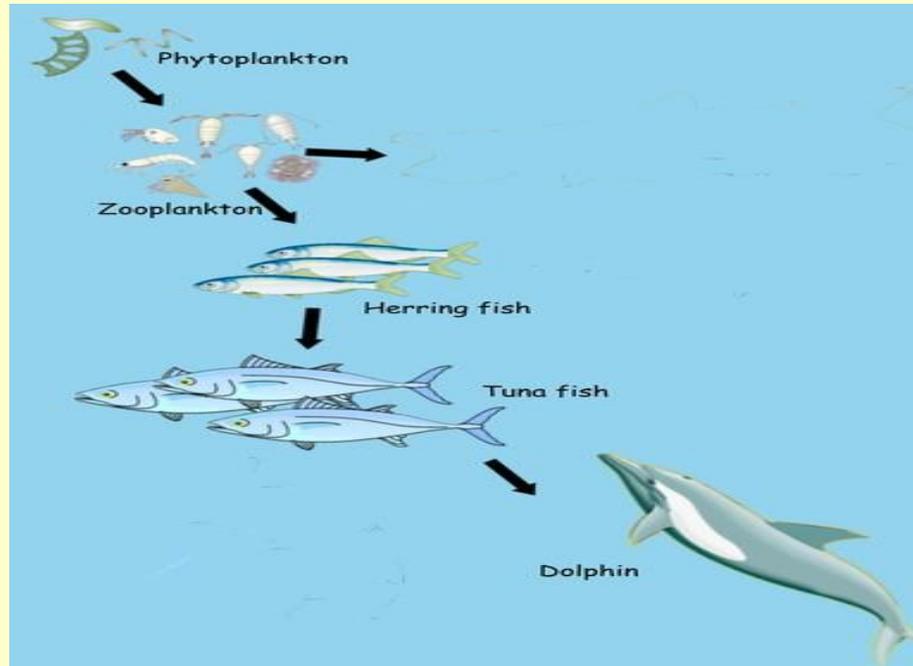


# YEAR 8 KNOWLEDGE ORGANISER: How can the Earth meet our resource needs?

Key Term	Definition
Renewable resource	A <b>resource</b> which is replaced naturally and can be used again e.g. solar energy.
Non-renewable resource	Resources that will eventually run out e.g. coal and gas.
Sustainable resource	If we look after these resources we will have them for ever. If we don't they will run out e.g. wood, tuna fish.
Fossil Fuels	A natural fuel such as coal or gas, formed in the geological past from the remains of living organisms. They are non-renewable.
Resource security	A country has resource security if it has the resources it needs for all its population.
Resource insecurity	When a country does not have enough resources for its population.

## Electricity from Oil

- Stage 1: Plankton lived in warm seas. When they died they sank to the bottom of the ocean
- Stage 2: Under intense heat and pressure, and with the lack of oxygen, it turned into oil.
- Stage 3: Humans drill for crude oil.
- Stage 4: The oil is refined and sent to power stations.
- Stage 5: The oil is burnt to boil water, creating steam, turning turbines.
- Stage 6: The electricity is sent around the country via a network of electricity cables.



**Pole and Line Fishing** – a basic rod and line fishery using barbless hooks and live bait. This is how local people catch fish in the Maldives. It is dolphin friendly.

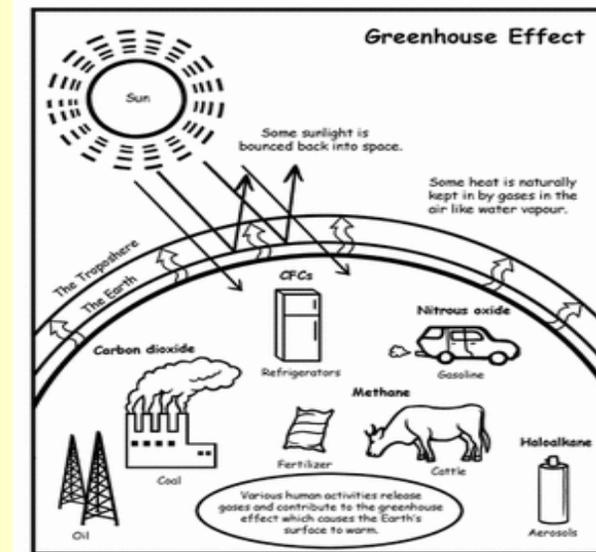
**Trawlers** - A large boat that drags a big net along the sea bed. It will catch dolphins and sea turtles in with the tuna fish and then they die. This is how foreigners catch fish in the Maldives.

**Consumption** – Using the resource.  
**Production** – Providing the resource.

## Blood / Conflict Diamonds

These come from war-torn countries, usually in Africa.

These countries include Angola, Liberia, Sierra Leone, The Democratic Republic of Congo and Cote d'Ivoire (Ivory Coast). They have been used to pay for weapons to continue the fighting. It's illegal to buy or sell conflict diamonds.



Wind Power has costs and benefits. Costs include environmental impacts, noise and the cost of building the wind turbines. Benefits include cheap, renewable energy which doesn't cause greenhouse gases.