

Finite and Renewable

What do the words mean??

Finite = Will run out eventually

Renewable = We can replace them as we use them

Sustainable = meets the needs of the current generation without compromising the ability of future generations to meet their needs.



What do we use the earth's resources for?

- Warmth
- Shelter
- Food
- Transport

We can use them as natural resources or process them.

'Natural resources' + agriculture provides

- Food
- Timber
- Clothes

Finite resources are processed to get us

- Energy
- materials



e.g. Coal, oil and gas are used for energy.
e.g. metal ores are mined to get metals.

e.g. Cotton is natural and we grow cotton plants. OR we can use synthetic materials e.g. nylon



Treating water

C14 The Earth's Resources

Potable water must have low levels of SALTS and MICROBES (it isn't PURE water)

Rainwater in lakes, rivers and reservoirs

Filter

Why? To remove insoluble solids

Sterilise – chlorine, ozone, or UV light



Why? To kill microbes

Industrial and agricultural waste water – remove organic matter and harmful chemicals

Sewage

Screening and grit removal

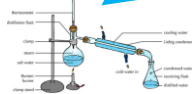
Sedimentation

Anaerobic digestion of sludge

Aerobic treatment of effluent

Salt water

Desalination



Distillation

☹ Both use a lot of energy

Reverse osmosis

