

Natural resources and resources					Sterilising agents include chlorine, ozone and UV light.		Potable water		Water of an appropriate quality is essential for life		Human drinking water should have low levels of dissolved salts and microbes. This is called potable water.		PiXL
Earth's resource	Used to provide warmth, shelter, food and transport for humans		from agriculture provide: timber, food, clothing and fuels. Finite resources from the Earth, oceans and atmosphere are processed to provide energy and		Using the Earth's resources and sustainable development	es and potable er	UK water		Rain provides water with low levels of dissolved substances		This water collects in the ground/lakes/rivers. To make potable water an appropriate source is chosen, which is then passed through filter beds and then sterilised.		
Chemistr and resource	techniques improve		These improvements provide new products and improve sustainability.		Using the I		Desal	Desalination		by usin reverse require		be achieved by distillation or large membranes e.g. smosis. These processes arge amounts of energy.	
Normally made using ethene from crude oil		ethene from	However, the raw material ethene can also be obtained from ethanol, which can be produced during fermentation. Industries are now starting to use a renewable crop for this process.		resources obtaining p wate AQA GCSE		Alternative methods of	tals (H1)	Waste water	Produced for urban lifest and indust processes	rom Th	ese require treatment before use environment. Sewage needs ganic matter and harmful micromoved.	the
LCAS	Life cycle assessments are carried out to assess the environmental impact of They are assessed at these st - Extraction and processing materials - Manufacturing and package - Use and operation during lifetime			Life C	Life cy	/cle ent and		extracting me	Sewage treatment	Includes m stages	any - - -	Screening and grit removal Sedimentation to produce sludeffluent (liquid waste or sewage Anaerobic digestion of sludge Aerobic biological treatment of effluent.	ge).
Values	Allocating numerical values to pollutant the		judgments are allocated to ffects of pollutants so LCA is purely objective process.		recycling Ways of reducing the			Meta	als ores	These resources are limited		Copper ores especially are becoming sparse. New ways of extracting copper from low-grade ores are being developed.	
difficult This therefore			use of resources e, reduces energy sources being			Phytomining		Plants absorb metal compounds		These plants are then harvested and burned; their ash contains the metal compounds.			
Reduce, reuse and recycle		This strategy reduces the use of limited resources		environment	s waste (landfill) and reduces al impacts.					Bacteria is used to produce leachate		The metal compounds can be processed to obtain the metal	
Limited raw materials		Used for metals, glass, building materials, plastics and clay ceramics		Most of the energy required for these process comes from limited resources. Obtaining raw materials from the Earth by quarrying and mir causes environmental impacts.		btaining raw		Bioleaching		solutions that contain metal compounds		from it e.g. copper can be obtained from its compounds by displacement or electrolysis.	
Reusing and recycling		Metals can be recycled by melting		Glass bottles melted to ma	can be reused. They ake different glass pr be reused are recycle	oducts. Produ							