AQA B7b Ecology: Biodiversity COMBINED FOUNDATION][Land use	Large scale deforestation has occurred across		
Key word Biodiversity	Definition The variety of all different species of organisms on Earth, or within an ecosystem		 Humans reduce the amount of land available for plants and animals by for example: building, farming, quarrying and dumping waste Decay or burning of peat from peat bogs 	 the world, particularly in tropical areas to: Provide land for cattle Provide land for rice fields Provide land for growth of biofuels 		
 Maintaining a great biodiversity Ensures the stability of ecosystems by reducing the dependence of one species on another for food, shelter and maintenance of the physical environment Ensures the future of the human species. Many human activities are reducing biodiversity. 			 releases a large amount of carbon dioxide to the atmosphere as peat bogs are a major carbon sink Destruction of peat bogs and other areas to produce garden compost reduces biodiversity 	This deforestation leads to a reduction in biodiversity		
Scientists and concerned citizens have put programs in place to reduce the negative impacts of humans on biodiversity including:• Breeding programs for endangered species • Protection and regeneration of rare habitats • Field margins and hedgerows in agricultural areas where farmers grow one crop• Reduction of carbon dioxide emissions and deforestation by governments • Recycling resources rather than dumping waste			 Global warming Levels of carbon dioxide and methane are increasing in the atmosphere due to human activity There is a global consensus about the human impact on global warming and climate change, based on thousands of peer reviewed publications. Some effects of global warming on biodiversity are: Sea level rise Decreased land availability caused by sea level rise Damaged and destroyed habitats due to temperature rise 			
 Waste management Rapid human population growth and increase in standard of living means that more waste is being produced. This causes pollution which can kill animals and plants, reducing biodiversity Pollution can occur: In water from sewage and toxic chemicals In air from smoke and acidic gases On land from landfill and toxic chemicals 			• Extreme weather events harm populations of p	plants and animals		