	Tauis 7. Deculs and the Discubanc	Keywords	ywords Definition		
	Topic 7: People and the Biosphere	Carbon Sink	Natural storage of carbon dioxide. Biomes are important carbon sinks. It is stored in		
Keywords Definition			the biomass (leaves, trunks, branches etc.) and soil of biomes.		
Ecosystem	A small scale biome made up of living things and their non-living environment e.g. a pond or forest	Carbon Sequestration	The removal of carbo	The removal of carbon dioxide and locking it up in biotic material.	
Biosphere	The living layer of the earth between the lithosphere and the atmosphere.	Nutrient Cycle	The continuous cycle litter. This keeps plan	e of nutrients between stores such as biomass, the soil and its and soils healthy.	
Biome	A large scale ecosystem e.g. tropical rainforest or Boreal/Taiga forest.	Flows and stores of nutrients are interrupted through deforestation, removing the biomass store,			
There are 9 biomes. Each has its own climate, plant and animal species. Sunlight, temperature and precipitation is important factors in influencing the biome.		heavy rains whi	ch leach away nutrients a	leach away nutrients and soil erosion which erodes away another store.	
Latitude	How far north or south of the equator a location is.	resources er	ronment that are	Rect Rect Rect Rect Rect Rect Rect Rect	
Latitude of a place influences which biome is there as latitude directly affects the amount of sunlight a location receives. Closer the equator receive more sunlight and have longer growing seasons. Places towards the poles receive less sunlight and have a shorter growing season.		used land rock	l by humans including , water, fossil fuels, s and minerals and paical resources like	Precipitation Rainfall adds nutrients	
Precipitation	Rainfall.	timber and fish.			
This is also influenced by latitude as earth can be divided into high and low pressure zones. Areas of low pressure receive high precipitation. Areas of high pressure receive low precipitation.		Demand for natural resources has increased to rising population and rising global income meaning people		Litter	
Altitudinal Zonation	The change in the ecosystem at different altitudes due to changes in local factors such as precipitation, sunlight, temperature and soil type.	use more resources (energy, water) and consume more products.		Runoff: Water washes leaf litter away, removing nutrients Leaching: Nutrients washed out of the soil as water moves through	
Biotic	Living parts of the ecosystem e.g. plants and animals.	Pessimistic A view that population		on will eventually grow so large that the planet will run out of	
Abiotic	Non-living parts of the ecosystem e.g. rocks and soil.		food, water and energy, leading to a crisis. Thomas Malthus held this (Malthusian) view in 1798.		
Goods	Physical materials such as timber from trees or fish caught in lakes. These can be locally important.	Population would have to fall by positive checks (war, starvation, famine) and preventative checks (marrying later and having fewer children.			
Services	All the ways humans benefit from the ecosystem e.g. How forests prevent flooding/soil erosion or trees add oxygen to the atmosphere. These can be globally important.	Optimistic	As population grows, humans invent new technologies to allow more food to be grown so a crisis is never reached. This (Boserupian) view was held by Ester Boserup in 1965.		
Slash-and- burn farming	Occurs in the rainforest. Farmers clear small areas of forest by burning it. The ash adds nutrients to the soil and it is farmed for 5-6 years.	Examples of new farming technologies include fertilizers, farm machinery, irrigation (man-made watering) etc.			