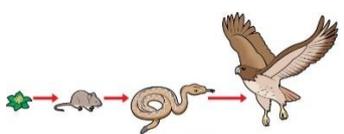
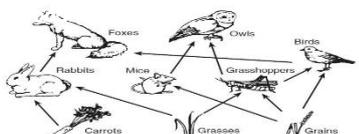


Ecosystems	EG small scale e/s (P20)	<h1>Living world</h1>					
	Components (P20)	Producer 	Consumer 			Decomposer 	
	Parts in nutrient cycle (P20)	Abiotic 			Biotic 		
	Diagrams (P20) Name the diagram						
	Interdependence (P20)	Why do consumers depend on producers?		What changes would occur in the food chain if the number of Sparrow hawk increased?		How are nutrients transferred between living things (animals) and non living things (vegetation)? How are nutrients cycled between biomass(vegetation) and living things animals?	
	Distribution FROM Equator (P21)	Tropical rainforest	Savanna	Desert	Mediterranean	Temperature Deciduous	Tundra Polar
	Character -istics (P21)	Hot 27 oC all year round because	Grass lands Few trees because	Hot Dry because	Hot, dry summers, mild winters	Seasonal	Partially frozen ground Because Very cold,dry Because

Rainforests	Characteristics (P22)	Temp: Hot- 27oC Constant all year	Rainfall: High >2000mm	Soil: Latosol Shallow, infertile	Structure: Emergents Upper canopy, Lower canopy, Shrub layer	
	Plant adaptations (P23)	Drip tip  Explain this adaptation	Buttress  Explain this adaptation	Thin smooth bark Explain this adaptation	Lianas  Explain this adaptation	
	Animal adaptations (P23)	Flying squirrels Skin flaps Explain this adaptation	Anteaters Sharp sense of smell Explain this adaptation	Sloth Claws/long arms/slow Explain this adaptation	Flying frog Webbed hands and feet Explain this adaptation	
	Biodiversity (P22)	High / Low		At risk/ Not at risk		
		Biodiversity high because		Biodiversity at risk because of		

CS: Amazon Rainforest	Causes (P24)	1 Commercial /subsistence Farming	2 Logging	3 Road building	4 Mineral extraction	5 Energy development	6 Settlement	7 Population growth
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	Impacts (P24)	1 Economic development Case Evidence: Positive because	2 Soil erosion Case Evidence: Negative because	3 Climate change Case Evidence Negative because	

Management	Value	1 50% species Biodiversity	2 Carbon stores	3 28% oxygen	4 Jobs 31	5 Resources Nuts/ rubber	6 Fresh water	7 Indigenous tribes
	Sustainable management (P26/27)	1 Selective logging and replanting Sustainable because	2 Conservation and education Sustainable because	3 Ecotourism Sustainable because	4 International agreements. FSC Sustainable because	5 Debt reduction Sustainable because		

Deserts	Character -istics (P28)	Temp: Very hot, cold over night Because	Rainfall: Little < 250mm Because	Soil: Sandy, infertile Because	Water is short supply, occasional flash flooding Because
	Plant adaptations (P29)	Succulents (Thick Fleshy Stems) 	Needles 		Long tap roots 
		Explain adaption	Explain adaption		Explain adaption
	Animal adaptations (P29)	Wide feet Explain adaption	Long eyelashes Explain adaption	Long large intestine Explain adaption	Nocturnal Explain adaption
	Biodiversity (P28)	High or	Why?		

CS: Sahara Desert	Opportunities	1 Mineral extraction Case Fact: Opportunity because	2 Energy Case fact: Opportunity because	3 Farming Case fact: Opportunity because:	4 Tourism Case Fact: Opportunity because
	Challenges	1 Extreme temperatures – Challenge because	2 Water supply Challenge because	3 Inaccessibility – Challenge because	

Desertification	Causes	1 Climate change	2 Pop. growth	3 Removal of fuel wood	4 Over grazing (to many farm animals)	5 Over cultivation (to many crops grown)	6 Soil erosion
	Reducing risk	Water and soil management Effective because		2 Tree planting Effective because		2 Use of appropriate technology Effective because	