

Can you?	I know what this is already!	I have some idea	No clue
Describe what we mean by the 'models' approach and the 'system framework' for geographical understanding			
Identify, describe and explain Stores, flows, elements, attributes and relationships			
Describe and explain common characteristics of systems			
Define isolated, closed and open systems			
Explain the difference between positive feedback and negative feedback			
Identify the four major subsystems of earth: Atmosphere, Lithosphere, Hydrosphere and Biosphere			
Recognise how all the subsystems are interlinked			
Describe the three forms water exists in			
Explain how evaporation and condensation cause cloud formation and precipitation			
Describe the distribution of water on a global scale			
Describe and explain the characteristics of oceanic water, cryospheric water, terrestrial water and atmospheric water			
Describe and explain the inputs, stores, transfers and outputs of a drainage system			
Describe and explain the global water cycle			
Describe and explain the water balance			
Describe and explain the characteristics of a hydrograph			
Explain the human and physical factors affecting a hydrograph			
Explain how deforestation, soil drainage and water abstraction affect the water cycle (at global and drainage basin scale)			
Explain the importance of carbon			
Explain the origins of carbon			
Describe and explain the global stores of carbon			
Describe and explain the transfer of carbon between the stores at plant, sere and continental scale			
Describe and explain the processes behind the transfers between the stores			

Analyse the factors leading to change in the carbon cycle: wild fires, volcanic activity, hydrocarbon fuel extraction and land use change			
Describe and explain the impacts on the land, the oceans and the atmosphere			
Define the enhanced greenhouse effect			
Explain the positive feedback between carbon dioxide, warming of the atmosphere and a resulting 'wetter' atmosphere			
Explain the significance of water vapour and carbon as greenhouse gases			
Explain why there is a lag between increased emissions and resulting temperature increase			
Define mitigation			
Identify and explain a range of human interventions to reduce or prevent emissions.			
Describe and explain carbon capture and sequestration, changing rural land use, improve transport practices.			