

Preparation for – Geography A Level




Topic: Water and Carbon Cycles

Systems frameworks and their application

Key Question:



Key Terms: system, isolated, closed, open, flow / transfer, input, store / component, positive feedback, negative feedback, dynamic equilibrium, Atmosphere, Lithosphere, Hydrosphere, Biosphere

 What to watch	 What to read	 What to do
<p>Everything you need to know about planet Earth: https://youtu.be/JGXi_9A_Vc</p> <p>Feedback loops: https://youtu.be/inVZol1AkC8</p> <p>The Earth System: https://youtu.be/N3EqcUNdII8</p> <p>The Four Earth Systems: https://youtu.be/cfa-RcFz9lw</p>	<p>https://education.nationalgeographic.org/resource/earths-systems/</p> <p>https://education.nationalgeographic.org/resource/resource-library-atmosphere/</p> <p>https://education.nationalgeographic.org/resource/lithosphere/</p> <p>https://education.nationalgeographic.org/resource/hydrosphere/</p> <p>https://education.nationalgeographic.org/resource/biosphere/</p>	<p>Complete the following tasks:</p> <ul style="list-style-type: none"> • Draw and annotate a model system to show the key elements of a system. • Draw and annotate a diagram of an example of a positive feedback system and a negative feedback system. • Research the atmosphere, lithosphere, hydrosphere and biosphere. • Explain how the four 'spheres' are interlinked.
<div data-bbox="107 1198 212 1273" data-label="Image"> </div> <p>What to submit</p> <p>Complete the diagrams of the three systems: basic model, positive feedback, negative feedback. Write a one page report on the connections between the atmosphere, lithosphere, hydrosphere, biosphere.</p>		