

Summer 'A level' Geography Preparation Work

This work is to be completed and handed in on your first Geography lesson.

Physical Geography – Natural Systems

What we study in physical geography is based around system frameworks and their application – therefore you must have a good understanding of systems and what affects them.

1. Read page 2 and 3 of the information sheets provided. Use these pages, and your own research on the internet, to create a revision resource to include:
 - a. Definition of a system
 - b. Description of a systems 3 properties (elements, attributes and relationships).
 - c. Description of the common characteristics different systems share (boundaries, inputs, outputs, flows, stores).
 - d. Explain the differences between the 3 classifications of systems; isolated, closed and open.
 - e. Explain what is meant by dynamic equilibrium
 - f. Explain the differences between positive feedback and negative feedback. Include 2 diagrams, one showing an example of a positive feedback in a system and the other showing an example of a negative feedback in a system.
 - g. What type of system is the Earth? Why?
 - h. Describe the 5 subsystems of the Earth.
 - i. What is meant by a cascading system?
2. Use page 38-39 of the information sheets to create a revision resource for systems characteristics of a coastal systems, to include:
 - a. The inputs, outputs, flows/transfers, stores/components of a coastal system
 - b. An example of a positive and negative feedback in a coastal system
 - c. Description of sources of energy in a coastal system
 - d. The difference between a high and low-energy coast
 - e. Sediment sources in a coastal system

Human Geography – Population and the environment.

Agricultural systems – research the following:

1. What are the characteristics of the following types of farming? Include an example and where it occurs around the world for each.
 - a. Commercial farming
 - b. Subsistence farming
 - c. Intensive farming – both capital and labour
 - d. Extensive farming
2. Create a systems diagram for aspects of the farming system. This will include inputs, processes, outputs and losses.