

ECOSYSTEM KNOWLEDGE ORGANISER

KEY QUESTIONS

Explain how the climate in the tropical rainforest influences the nutrient and water cycle.	What are the causes of deforestation in the TRF?	What are the effects of deforestation?
Explain how food chains can be impacted	Describe the location of biomes globally.	Explain how the climate in the Semi-arid grasslands influences the nutrient and water cycle.
What are the causes and effects of desertification?	How does the Great Green Wall stop desertification?	What are the local management strategies to stop desertification?

KEY WORDS

Biome	A biome is a very large ecosystem e.g. Tropical Rainforest.
Sustainable	Meeting the needs of people today and in the future, while limiting harm to the environment.
Desertification	The process by which fertile land becomes desert, typically as a result of drought, deforestation, or inappropriate agriculture.
Adapt	When someone or something adjusts themselves to different conditions or environments.
Decomposition	The breakdown of dead organic matter (plants and animals) by living organisms
Agro-Forestry	Growing trees and crops at the same time. This lets farmers take advantage of shelter from the canopy of trees. It prevents soil erosion, and the crops benefit from the nutrients from the dead organic matter.
SSSI	Site of Special Scientific Interest.
Afforestation	The opposite of deforestation. If trees are cut down, they are replaced to maintain the canopy.
Abiotic	Non-Living items in an ecosystem such as rocks soil and water.
Biotic	The living parts of an ecosystem.

DIAGRAMS

