

Unit Overview – Ecosystems

Target grade for tests:

You will learn about:

- Photosynthesis.
- Predator-prey relationships.
- Energy in food chains.

Skills focus:

- Interpret graphs and tables.



Key learning points		Key Words
Describe the relationship between all living things and photosynthesis		Photosynthesis Oxygen Carbon dioxide Water Glucose Stoma Guard cells Xylem Phloem Chlorophyll Chloroplast Ecosystem Food webs/chains Primary consumer Secondary consumer Tertiary consumer Trophic level Biomass Predator Prey Population Decomposer
Explain the factors that affect the rate of photosynthesis		
Describe how carbon dioxide and oxygen move through the leaf		
Give the word equation for photosynthesis		
Explain the role of chlorophyll in photosynthesis		
Learn the basics of leaf structure		
Explain how plants obtain reactants for photosynthesis		
Define: predator, prey, consumer, producer		
Create food chains and food webs		
Define an ecosystem		
Links to other subjects:		
Geography		
<ul style="list-style-type: none"> • Impact of population pressure and urbanisation on ecosystems. 		
SMSC		
<ul style="list-style-type: none"> • Evaluate the impact of human activity on food chains. 		
Numeracy		
<ul style="list-style-type: none"> • Calculate biomass of trophic levels. 		
Literacy		
<ul style="list-style-type: none"> • Describe energy transfers between trophic levels using relevant key words. 		