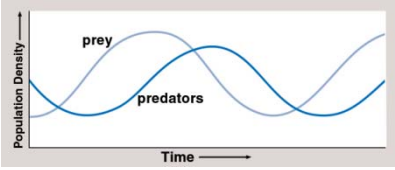
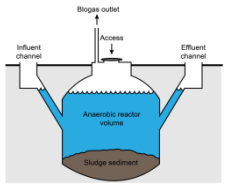
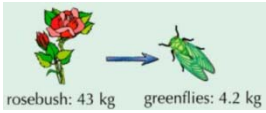
B7 Ecology **AQA Triple Science**	Explain what is meant by a producer in a food chain or web	Give examples of structural adaptations 	**RPA 9**: measuring population size with quadrats Describe how to use a quadrat to measure the distribution of daisies on the school field
Define the terms: Habitat Population Community Ecosystem	Define the terms: Primary consumer Secondary consumer Tertiary consumer	Give examples of behavioural adaptations 	**RPA 9**: measuring population size with transects Describe how to use a transect and a quadrat to measure the distribution of organisms on the seashore.
List abiotic (non-living) factors • • • • • •	Describe the relationship between predators and prey 	Give examples of functional adaptations 	Anna counted the number of daisies in 7 quadrats. Her results were: 18, 20, 22,23, 23,23,25. Calculate the: Mean Mode Median
List biotic (living) factors • • • •	Define the terms: Predator Prey Biomass	Give examples of extremophiles	Students used $0.5m^2$ quadrats to randomly sample daisies on the school field. Their mean number of daisies per quadrat was 10.5 and the field has an area of $800m^2$. Estimate the population of daisies on the field

B7 Ecology **AQA Triple Science**	Describe how a biogas generator produces methane 	How can pollution occur: In water On land In the air	
How is carbon removed from the atmosphere? List 3 ways that CO_2 is released into the atmosphere	What is interdependence? What is the limitations of food chains?	Give examples of programmes put in place to reduce the negative impacts of humans on ecosystems and biodiversity • • • • •	How can we prevent the fish stocks in the oceans from declining?
Define the following terms: Evaporation Condensation Transpiration Precipitation	Describe examples of how we can maintain biodiversity	Draw and label a typical pyramid of biomass	Give examples of biotechnology in providing for an increasing population
Explain the importance of decomposition List factors that affect the rate of decomposition	Define the term biodiversity How are humans reducing the land available for animals and plants?	Explain why only ~10% of energy is transferred to the next trophic level	Write the equation for working out efficiency. Calculate the efficiency of the transfer from the ladybird to the greenfly