

Terminology challenge

Match the five climate change terms with the definition. Can you think of an example for each?

Terminology	Definition	Trade Example
Mitigation	actions to reduce human emissions of greenhouse gases (GHGs) and to reduce their concentration in the atmosphere.	<ul style="list-style-type: none"> Switching from livestock farming to arable, fruit, vegetable and mixed farming practices Shortening supply chains – localising food production Switching to electric vehicle fleets for food production and distribution
Adaptation	the process of adjusting to current or expected climate change and its effects.	<ul style="list-style-type: none"> Changing the location of crops/types of crops grown Using drought resistant varieties of crops Adopting new pest control methods to control infestations that attack crops
Carbon sequestration	The process of removing carbon from the atmosphere and storing it in a reservoir.	<ul style="list-style-type: none"> Adopting farming methods which capture and store carbon, e.g. organic, agroecology, permaculture Planting hedgerows and woodlands as part of land management
Carbon Neutral (net zero carbon)	a state in which the greenhouse gases going into the atmosphere are balanced by removal out of the atmosphere.	<ul style="list-style-type: none"> Planting trees to absorb the same amount of carbon as is released through air freighting. Capturing methane from manure and using it to heat people's homes. Farmers switching to growing crops for energy, e.g. coppiced timber, or crops grown for fibres such as hemp.
Carbon sink	any reservoir, natural or otherwise, that accumulates and stores carbon for an indefinite period.	<ul style="list-style-type: none"> Large scale tree planting or reforestation Using the farming practice of agroforestry https://www.soilassociation.org/causes-campaigns/agroforestry/what-is-agroforestry/ Ensuring the preservation and enhancement of peat bogs Farming in ways that increase the carbon content of the soil
Zero carbon	A product or service that creates no carbon emissions.	<ul style="list-style-type: none"> Designing cargo ships which are capable of transporting goods with zero emissions Using 100% renewable energy in food production and/or processing