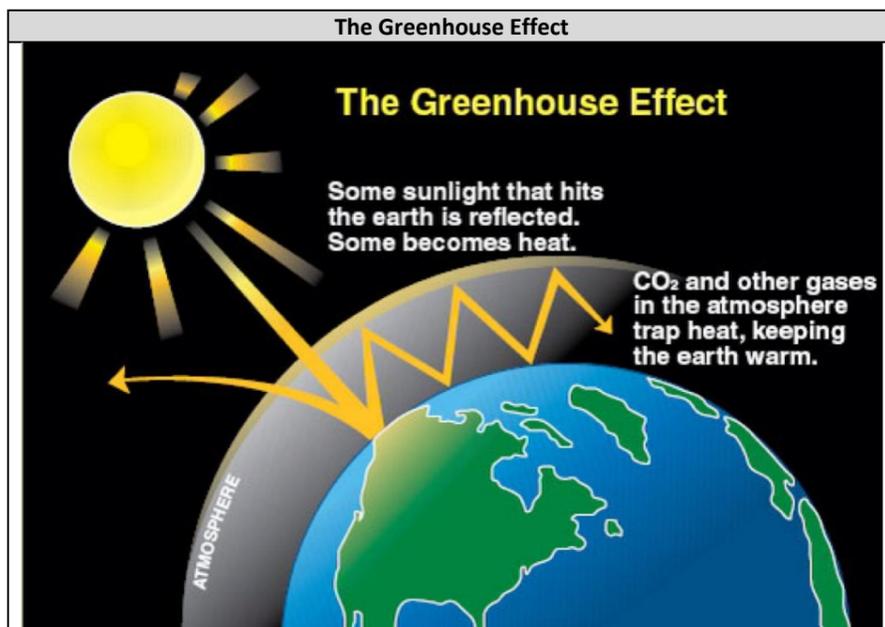




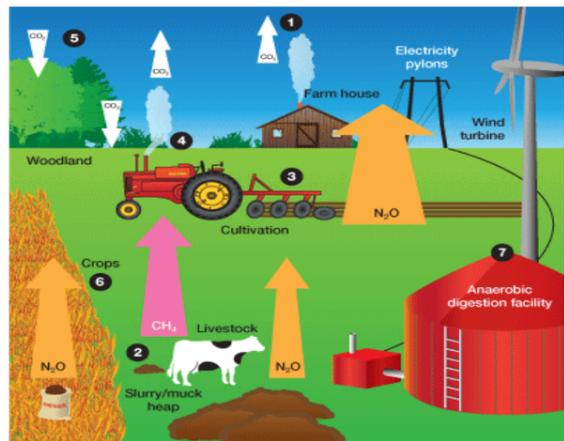
Year 8: Why is the Climate Changing?

Vocabulary list	
Greenhouse Effect	The gases in the atmosphere trapping heat to keep the earth warm
Enhanced Greenhouse Effect	The increase of gases in the atmosphere keeping the earth unnaturally warm
Global Warming	The increase in global temperatures
Climate Change	The changing climate, including temperature, wind, precipitation, the length of seasons and the strength and number of extreme weather events.
Sea Level	The height of the water above the land
Agricultural	The use of land for farming
Drought	The shortage of water in a specific area
Delta	A landform made at the end of the river when rocks and sand are dropped
Tidal	Rivers or sea level which changes due to the moon
CO2	A greenhouse gas



- | Solutions and Adaptations to Climate Change |
|---|
| <ul style="list-style-type: none"> • Changes to agricultural systems • Reducing risk from rising sea levels • Managing the water supply • Changing house design |

How Will Global Warming Affect The UK?
<p>Positives</p> <ul style="list-style-type: none"> • There could be fewer deaths of old people from winter cold • More land could be farmed at higher altitude • In winter, heating costs and road gritting costs could fall • New crops might mean new sale opportunities for farmers
<p>Negatives</p> <ul style="list-style-type: none"> • In the summer, drought and water shortages could become more common, especially in the south • There could be more illnesses such as heat-stroke and skin cancer • Farmers might have to change crops to those that need less water and more sunshine • Very hot temperatures can melt roads and buckle railway lines



- | How Will Global Warming Affect Iman in Bangladesh? |
|--|
| <ul style="list-style-type: none"> • Iman Ali Gain is a 65 year old shrimp farmer in SW Bangladesh • He lives in a mud house in the coastal region of Munshiganj, 3 months ago a tidal river burst its banks and left him in water up to his chest • Over the past 3 decades the sea level around his house has risen 3 metres • 1/3 of Bangladesh lies in a delta where 3 main rivers meet the sea at the Bay of Bengal. Land lies below sea level there • Iman has had to abandon rice farming as his paddy fields became increasingly contaminated with sea water from the rising sea • Iman used to be a rice farmer in a paddy fields he would feed himself and his family and then sell excess crop for money • If sea level rises by another metre Iman and up to 40 million others will have to leave their homes as they will be permanently submerged below water |