



# Impacts of Climate Change

## 2018 UK Heatwave Fact File

- The 2018 UK heatwave was one of the hottest summers on record.
- Average temperatures were \_\_\_\_\_ than usual, peaking at \_\_\_\_\_ in Faversham, Kent.
- Linked to climate change as extreme heat events are becoming more frequent and intense.

Social	
Social	
Economic	
Economic	
Environmental	
Environmntal	

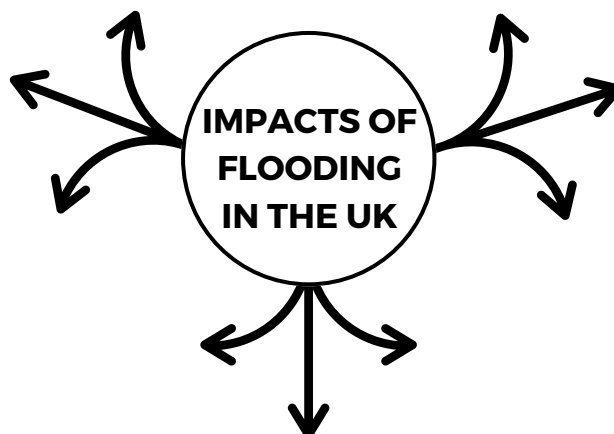
## Fill in the Blanks: Sea Level Rise and Erosion

- Sea levels are rising by about \_\_\_\_\_ per year, and could increase by up to \_\_\_\_\_ by 2100.
- Rising sea levels are caused by the melting of \_\_\_\_\_ and the expansion of \_\_\_\_\_ water.
- Coastal erosion is threatening areas like \_\_\_\_\_ in Norfolk, where up to \_\_\_\_\_ metres of land have been lost since the 1600s.
- By 2100, sea levels around the UK are projected to rise by up to \_\_\_\_\_ metre, putting areas like \_\_\_\_\_ at risk.
- More intense \_\_\_\_\_ caused by climate change can lead to powerful surges along the coast.

*East Yorkshire, 1, 3.3 mm, storms, seawater, Happisburgh, 250, 1 metre, ice caps*

## Impacts of flooding in the UK

Make a mind map on the impacts of flooding, categorise them into the social, economic and environmental factors:





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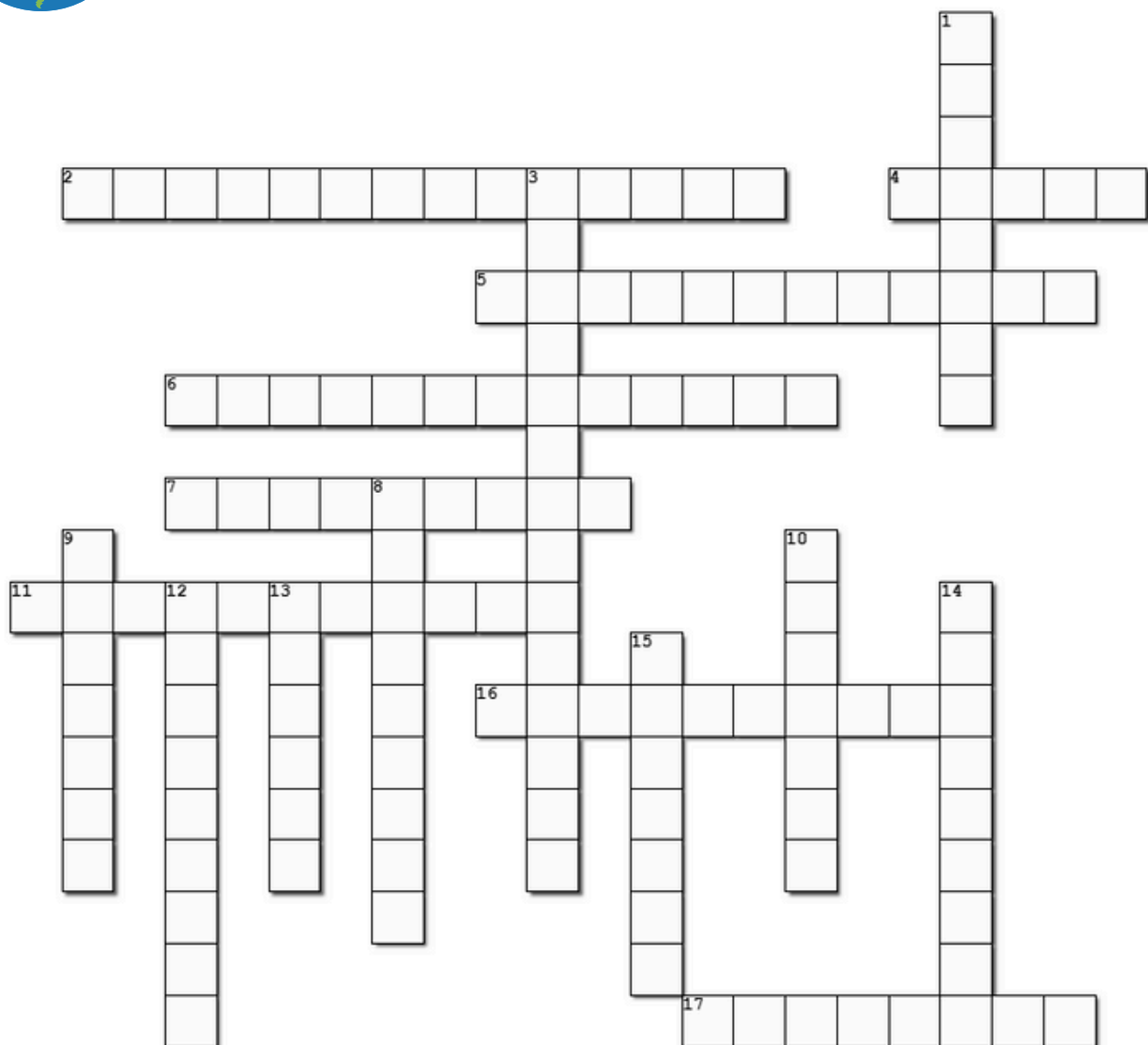
## Social, Economic and Environmental Impacts of Climate Change :

Cut out the different impacts of climate change and organise them 3 categories, social economic and environmental impacts before sticking the in your book

Coral bleaching (due to rising sea temperatures, impacting marine biodiversity).	Health impacts (increased asthma cases due to air pollution and heatwaves, spread of diseases like malaria and dengue).	Disruption of agriculture (crop failure due to droughts or flooding, leading to food insecurity).
Flooding of coastal and low-lying communities (displacement of people, loss of homes, communities under threat).	Damage to infrastructure (costs of rebuilding and maintaining flood defenses).	Melting glaciers and polar ice caps (rising sea levels, loss of habitats).
Water scarcity (lack of access to fresh water due to changing rainfall patterns).	Loss of biodiversity (habitats disappearing, endangered species at risk).	Migration due to climate change (climate refugees as people move to escape extreme weather events).
Shifting climate belts (altering ecosystems, making some areas too hot or dry for certain species).	Increased vulnerability of marginalised groups (e.g., poorer communities or elderly individuals being more susceptible to climate impacts).	Increased frequency of extreme weather events (e.g., more cyclones, droughts, and heatwaves).
Rising insurance premiums (higher costs for businesses and homeowners in high-risk areas).	Cost of disaster recovery (economic impact of recovering from extreme weather events like hurricanes, floods, or wildfires).	Tourism losses (impact on tourist destinations due to extreme weather, beach erosion, or coral bleaching).
Rising sea levels (flooding of coastal habitats, loss of land and ecosystems).		



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## Across

- 2.** Physical structures like roads, bridges, and buildings that are increasingly at risk of damage due to extreme weather events caused by climate change.
- 4.** Marine species affected by rising sea temperatures and bleaching.
- 5.** The variety of different species of plants, animals, and microorganisms in a specific habitat or on Earth, threatened by climate change.
- 6.** When there is not enough clean, safe water available to meet the needs of people, animals and the environment.
- 7.** Extended periods of excessively hot weather.
- 11.** Term for widespread crop damage or loss.
- 16.** Powerful storms with strong winds, intensified by warmer ocean temperatures.
- 17.** Melting ice masses contributing to rising sea levels.

## Down

- 1.** Excessive water covering land, often due to heavy rain, sea level rise or storms.
- 3.** People displaced due to environmental changes.
- 8.** Uncontrolled fires in forests or grasslands, made more intense by high temperatures.
- 9.** Gradual wearing away of the Earth's surface, often accelerated by rising sea levels.
- 10.** Tropical disease spread by mosquitoes.
- 12.** Contamination of air, water, or soil, often worsened by industrial activity and climate change.
- 13.** Breathing condition often worsened by pollution and climate change.
- 14.** Rising costs for coverage of properties and businesses in areas vulnerable to climate-related risks like flooding and storms.
- 15.** Long period of abnormally low rainfall, leading to water shortages.