

# Our Diverse Planet

Vocabulary	Definition
climate	The general pattern of the weather in a particular location over a period of time.
delta	An area formed from the material carried in a river when the river slows down as it reaches the sea.
erosion	The movement of rocky material from one place to another, via water or air.
global warming	An increase in the world's temperature which leads to an adverse effect on the world's climate.
resource	A material that is useful for something.
settlement	An area where humans have made shelter to live - their home.
urban	built-up areas such as towns and cities which are more densely populated.

## Physical Processes

Different physical processes change landscapes so that they look a certain way. The physical processes act at a location over time to create different landscapes:



volcanic



coastal



delta

## How does climate affect people's lives?

People have to adapt to the climate they live in. This means that people living in different climates have different lifestyles. Climate change is causing extreme weather events, including severe storms, cyclones, floods, sandstorms, heatwaves and droughts. The Global Climate Risk Index ranks the countries that are most affected by the effects of extreme weather related to climate change.

## How does industry affect an area?

Industry can have a damaging effect on the environment where it is taking place, and also further away. For example:

- tourism leads to loss of habitat and congestion
- factories produce toxic waste chemicals that pollute the environment.

## What is tourism and how does it affect our world?

Tourism is when people travel to different places for fun, learning, or adventure. It helps countries earn money and creates jobs, like hotel workers and tour guides. Tourists can learn about new cultures and try different foods. But too many visitors can hurt nature, make places crowded, and raise prices for locals. It's important to travel in ways that protect the environment and respect local people. Tourism can be great if we do it responsibly!