Knowledge Organiser: Living things and their habitat - Conservation

Careers connected to habitats:



Lesson Sequence



1. Describe ecosystems and how they are affected by changes in the seasons



2. Understand human impact on the environment through deforestation



3. Explore air pollution



4. Understand water pollution

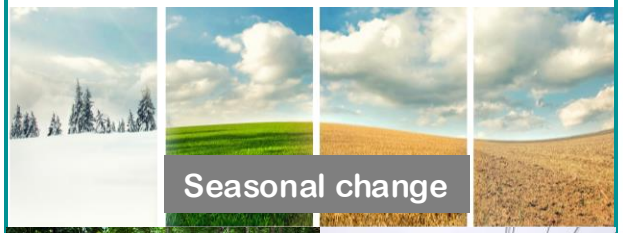


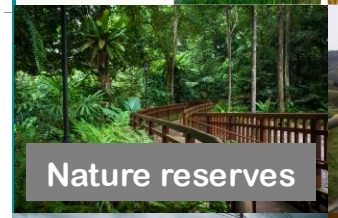
5. Explore methods that can be used to conserve water

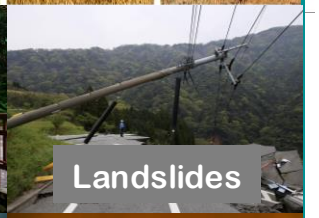


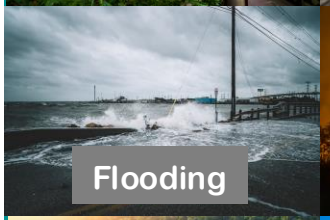
6. Understand that humans can have a positive impact on nature

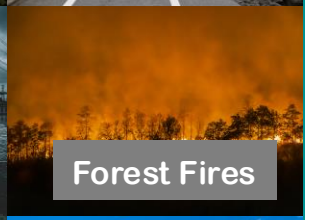
How environments change?















The water people use in their homes comes from nature and must be cleaned up to be returned to nature so it can be used again. This is an important part of our water cycle.

Why environments change

NATURAL CHANGES – different seasons can change habitats. Greenhouse gases cause climate change and climate change has caused our planet to get a lot warmer over a very short period of time. This has caused more extreme weather events like hurricanes, floods and droughts. It has also caused the extinction of many living things.

HUMAN CHANGES – How humans live and what they do can impact habitats both negatively and positively.

Negative ways:
- Deforestation - cutting down trees for a range of reasons
- Littering – dropping rubbish or leaving large objects lying in the environment
- Pollution – introducing harmful substances into the environment.
- Air pollution from cars, e.g., carbon monoxide, and the burning of fossil fuels.
- Water pollution through industrial waste and farm fertilisers that can pollute rivers and streams.
- Rubbish—Plastic and household waste ends up on the streets, in the sea or in rubbish dumps, destroying habitats and wildlife.

Positive ways:
- Protecting endangered species via conservation projects
- Cleaning bodies of water
- Recycling
- Creating nature reserves

Developing Experts Copyright 2022 All Rights Reserved

Knowledge Organiser: Living things and their habitat - Conservation

Before and After Test



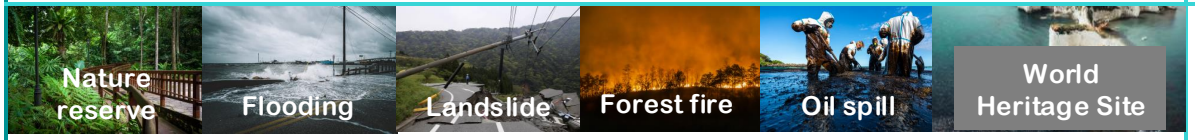
Which is these is a natural disaster?	before	after
flooding		
forest fire		
building development		
volcano		

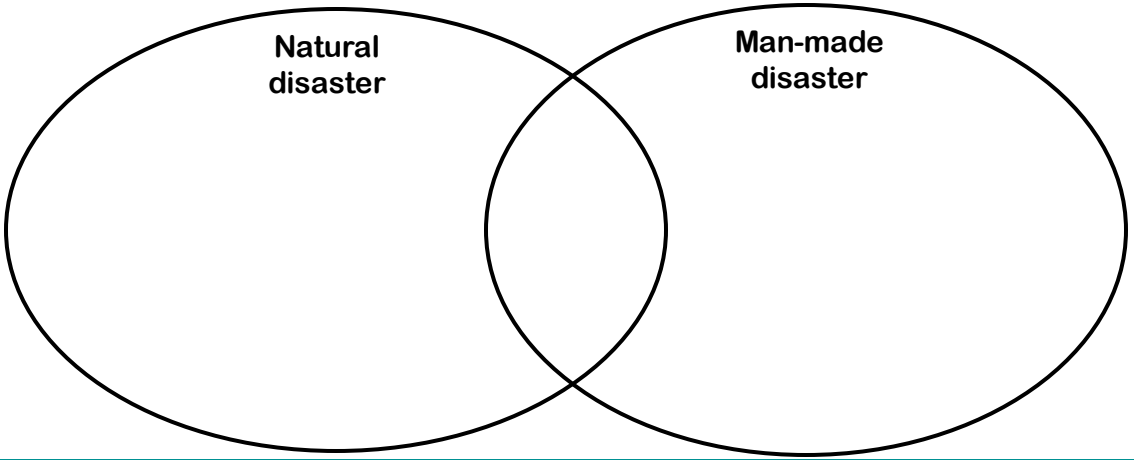
Which of these is a man-made disaster?	before	after
oil spill		
water pollution		
rubbish		
recycling		
deforestation		

What has become more frequent thanks to the increase of greenhouse gases?

	before	after
Forest fires		
Landslide		
Flooding		
Recycling		
Deforestation		
Oil Spills		

Write the word of each living thing in the Venn diagram to show where they belong.





before	after

Developing Experts Copyright 2022 All Rights Reserved

Unit Rocket Words: Year 4 - Living things and their habitats – conservation

Rocket Words

	migrate	to move from one area to another
	monsoon	rainy season
	deforestation	the cutting down of forests, including rainforests
	biodiversity	the variety of living things
	emissions	the production or discharge of something, especially gas or radiation
	pollution	harmful or poisonous substances
	pesticide	a chemical substance used to kill insects that harm plants and crops
	contaminate	to make something impure by adding a poisonous or polluting substance
	drought	a long period of time where there is a shortage of water
	freshwater	water that does not contain salt
	marine sanctuaries	ocean areas that protect the wildlife from harm
	conservation areas	areas on land or sea that protect the wildlife from harm

Developing Experts Copyright 2022 All Rights Reserved