

Climate change and its impacts

Learning Question:

- What changes will climate change cause?

Learning Objectives:

- I can compare the impacts of climate change.
- I can explain how climate change might effect our lives.



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Impacts of Climate Change?



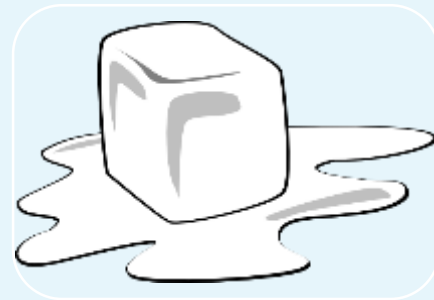
Task: Watch the video and see if you can find 5 impacts of climate change.

What will happen if our climate changes?

If Earth's climate changes there are many different impacts that might happen that can have good and bad effects on us, animals and the environment.



Temperature rises



Glaciers and ice melting



Sea levels rising



Extreme weather



Changes to our water supplies

What will happen if our climate changes?

Task: In groups, using the sheets, answer the question “What if...” about one of the five impacts of climate change over time. Be creative but not silly!

Think about what will happen to:
Plants? Animals? People? Places?

Think about the whole world:
Will some places be impacted more?

Think big or small:
Will this happen everywhere?
How many people will it effect?

Think about how bad it might be:
Will the impact get worse over time?
Will it improve over time?

Challenge: Can you link any of the impacts together?

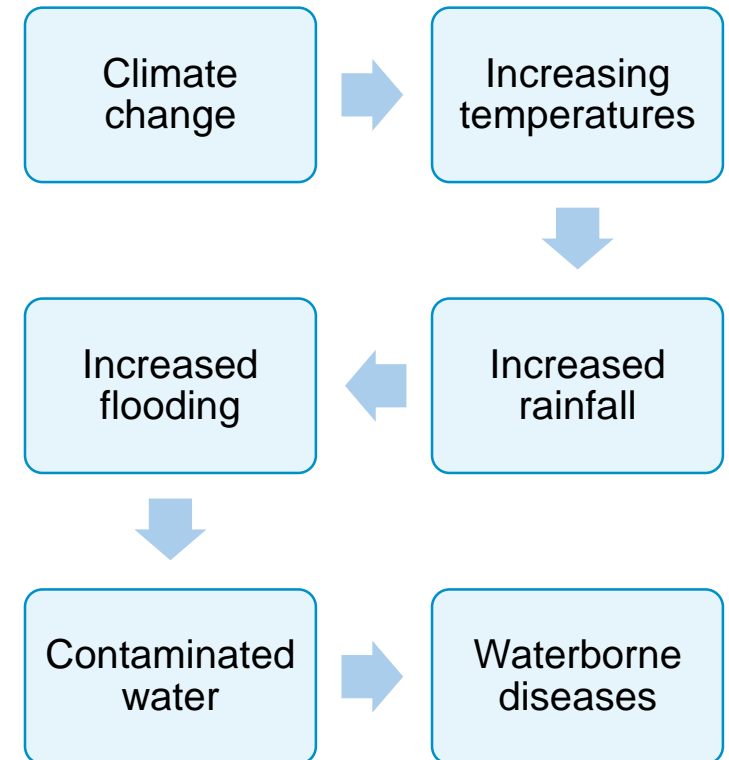
Chain of consequences

TASK: Using your list create a paper chain of consequences! On each link of your paper chain write an impact of climate change. Start with climate change as your first link. Attach to this your next labelled impact. Continue adding links until you have a long paper chain of consequences. Add as many links as possible and each link can have multiple loops coming off of it.

If you finish, go back to the first link labelled climate change and start another branch to your chain!



An example chain:



What will happen if our climate changes?

1. Look at the impacts of climate change you have written down, can you organise them into these three categories?
 - Environmental (will effect the land, plants or animals)
 - Social (will effect how people live their lives)
 - Economic (will effect money, jobs or buildings)
 - Or a mixture of all of these?
2. In your opinion which of the impacts you have looked at will be the worst?
3. Explain in your own words how you feel about climate change (optimistic, pessimistic, worried, happy, stressed?) Explain why this is.



**Clean water.
Decent toilets.
Good hygiene.**