

Glaciers



How are they formed?

Glaciers are formed by snow accumulating on mountains over a long period of time. The snow survives the warmer summer due to the colder temperatures found up at the top of mountains. The snow accumulates and compacts and builds up over many years. The compacted snow and ice moves down the valley very slowly.

What is happening to them?

All over the world, glaciers are shrinking and this is due to climate change. As the world has become warmer, the glaciers have had less snow accumulate on them in the winter and more snow melt from them in summer. Climate scientists attribute the shrinking glaciers as one of the pieces of evidence of climate change.

What will happen if all the glaciers melt?

The snow and ice has been accumulating in the glaciers for tens of thousands of years and in some places in Greenland, it now reaches 3,700 metres thick. If it were to melt, it would lead to sea levels rising by 70 metres.

Shrinking glaciers



Your task:

- To create a PowerPoint or Google Slides presentation on glaciers.

Title slide. Include the word 'Glaciers' and a picture of one.

Slide 1 – What are glaciers? Include a picture of a glacier. Include a definition of a glacier. Write the definition in your own words. You might find a good diagram.

Slide 2 – What is happening to glaciers? (Clue – shrinking). The causes – Include a graph showing rising global temperatures.

Slide 3 – Before and after pictures. Find examples (pictures) of shrinking glaciers.

Slide 4 – The effects – Include images of areas flooded by rising sea levels.

Slide 5 – What can we do to stop climate change?

Find examples of things that we can do as people to reduce/stop climate change.