

IB DP Geography – Responding to Climate Change – Lesson 1

Turn to page 451 – 452 of the Geography guide and complete the activities beneath.



Task 1 - Annotate the picture above with factors that affect the susceptibility of vulnerable populations.

Task 2 - What does vulnerability refer to?

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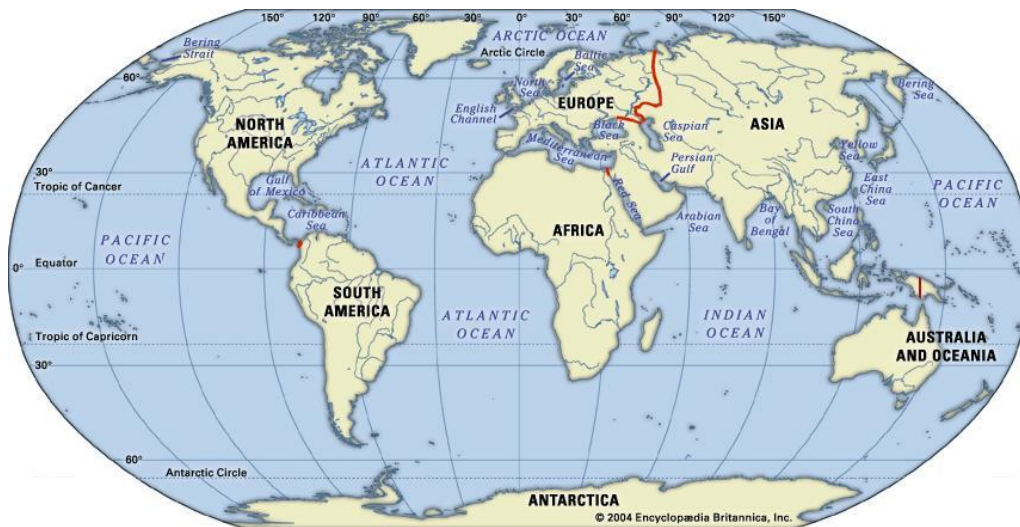
Task 3 – Outline the three main factors associated with vulnerability below.

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Task 4 – Using the text, outline who the more vulnerable populations within society may be. Try to explain at least two of these in more detail in the space beneath.



Task 5 – Annotate the map below with the names of the vulnerable nations and potential impacts of sea level rise on those places.



Task 6 – Outline briefly the five issues affecting the places above.

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Climate Change – Impacts on Swiss Ski Resorts



Figure 1 - Source, Carbon Brief.

Task 7 - Use this article to answer to make notes on the following areas

<https://www.carbonbrief.org/swiss-ski-resorts-could-see-70-percent-drop-in-snow-cover-as-climate-warms>

Task 8 - Outline of possible future climate changes in the Swiss Alps and resultant issues on the industry

Task 9 - “The most affected elevation zone for climate change is located below 1200m, where the simulations show almost no snow towards the end of the century.” – Explain why this is problematic for the Alpine region.

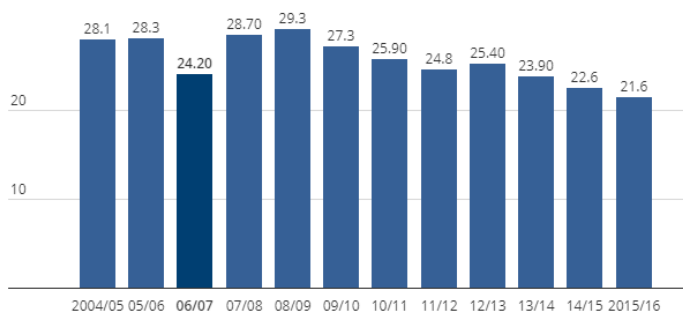
Task 10 - Explain how snow coverage at 1500m may change in an A2 projection.

Task 11 – Using the previous link and this one too

(https://www.swissinfo.ch/eng/business/sustainable-approach_what-future-for-winter-tourism-under-global-warming/42934230) outline the impacts of climate change on the resorts, attempts they are making to combat the issues of temperature rise and projected future trends.

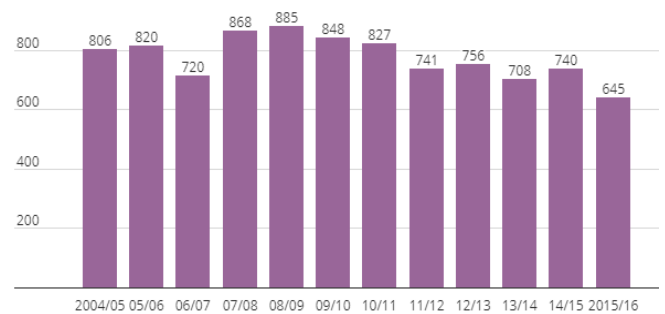
Winter visits at Swiss ski resorts

Ski days in millions



Winter turnover of Swiss cable car companies

In millions of francs



Task 12 – Comment on the trend of both graphs above. To what extent does this justify future tourism developments for the summer season?

Task 13 - Impacts on the Nunavummiut – Northern Canada

Impacts on cultural identity

Impacts on Traditional Activities

Impacts on Food Security



Use this link to complete activities: <https://www.climatechangenunavut.ca/en/understanding-climate-change/climate-change-impact>

Impacts on Health and Diseases

Impacts on Heritage and Special Places

Impacts on Transportation