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| **IB DP Geography – Responding to Climate Change – Lesson 1** |

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



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

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| 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. |



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



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| 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.

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| 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>  |

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| Task 8 - Outline of possible future climate changes in the Swiss Alps and resultant issues on the industry |
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| 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.  |
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| Task 10 - Explain how snow coverage at 1500m may change in an A2 projection.  |
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| 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.  |
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| Task 12 – Comment on the trend of both graphs above. To what extent does this justify future tourism developments for the summer season?  |
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| **Task 13 - Impacts on the Nunavummiut – Northern Canada**  |

 

Impacts on Transportation

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

Impacts on Heritage and Special Places

Impacts on Health and Diseases

Impacts on Traditional Activities

Impacts on cultural identity

Impacts on Food Security