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| **IBDP Geography - Carbon stored in ice, oceans and the biosphere** |

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| **Part 1 – Melting Glaciers** |



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| What is a glacier? |
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| Notes on the amount of organic carbon stored in glaciers and how it is ‘biological mobile’. |
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| Impact on economic activity |
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| Three key pieces of information from the hyperlinked article. |
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| **Part 2 – Ocean Acidification** |



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| Define Ocean Acidification |
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| First Video – What is the Atlantic Meridional Overturning Circulation? |
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| Second Video – What happens when the ocean warms? Outline the key issues below. |
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| Third video – Start at 1.03 to 1.24 and explain how the PH of the oceans are likely to change in the future. Take a screen shot of the three planets and the projected PH values and paste it underneath this text box. |
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| Three key pieces of information from the hyperlinked articles. |
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| **Part 3– Biosphere** |



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| Define Biosphere |
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| Second Video – Explain how trees capture carbon from the atmosphere and the impacts of rapid deforestation. Make reference to at least three places in your notes and forest loss there. |
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| Third video – Outline who REDD are, why they were set up and what they aim to do. What are the criticismes of the scheme. |
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| Using the Guardian article, outline what the ‘climate triple whammy refers to’. |
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