Geog your memory...

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| **Define these three key terms:**  **HDI –**  **Development Gap –**  **Top down aid –**  **Bottom’s up aid -** | **What are the characteristics of these ecosystems:**   |  |  |  | | --- | --- | --- | | **Tundra** | **Grassland** | **T Deciduous Forest** | |  |  |  | | **Tropical Rainforest** | **Polar** | **Hot Desert** | |  |  |  | |

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| **Colour code the physical and human causes of climate change.**   * Orbital changes (the way the earth moves around the sun). * Solar output (the amount of energy from the sun). * Burning fossil fuels – releasing CO2 into the atmosphere. * Volcanic eruptions can cause short-term changes to climate. * Deforestation – cutting down trees. | **Label this diagram showing a destructive plate margin.**  DESTRU~1 |

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| **Case Study – Deforestation in Amazon Rainforest**  Colour code the boxes to show causes, impacts and management.  Location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   |  |  |  | | --- | --- | --- | | 65% of deforestation was due to cattle ranching – farmers moving animals around to use the land for food and grazing. | Deforestation will release some of the carbon stored in the rainforest into the atmosphere contributing to global warming. | Replanting trees every time one is cut down. The Brazilian government ensure that it is the same type of tree that was cut down. | | Mining industry creates lots of jobs for the people in Peru – the Buenaventura mining company employs over 3000 people. | Selective logging – where only some trees are cut down, these trees are also taken out of the rainforest via helicopter. | Landless farmers cut down the trees so they have land in order to farm, some farmers need more land as their current land is unusable. | | Ecotourism is encouraged, only a small number of visitors are allowed at a time. | Farming is a huge industry in Brazil, in 2011 $6.9 billion was made through trading cattle. | 55 million tons of top soil is being lost because of soil erosion each year. | | Logging contributes over £1 billion to the economy of Brazil every year. | Population growth has meant that people are building houses in the rainforest as there is little land in cities. | International hardwood agreement has reduced illegal logging and promoted sustainable management. |   **Exam Question: For a tropical rainforest you have studied, assess the extent to which deforestation benefits the people who live there. (9 marks)** |