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:**

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| **Tundra** | **Grassland** | **T Deciduous Forest** |
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| **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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| 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)** |