

AQA THE CHALLENGE OF NATURAL HAZARDS

Paper 1

The Challenge of Natural Hazards

PLC

Red = Not confident at all
 Amber = Some confidence
 Green = Very confident



reference notes



interactive quizzes



| | Red | Amber | Green |
|--|-----|-------|-------|
| Natural hazards pose major risks to people and property | | | |
| I can give a definition of natural hazard. | | | |
| I can identify the different types of natural hazard. | | | |
| I know the factors affecting hazard risk. | | | |
| Earthquakes and volcanic eruptions are the result of physical processes | | | |
| I know the main features of plate tectonics theory. | | | |
| I know the global distribution of earthquakes and volcanic eruptions and their relationship to plate margins. | | | |
| I can describe and explain the physical processes taking place at different types of plate margin: Constructive Destructive Conservative that lead to earthquakes and volcanic activity. | | | |
| The effects of, and responses to, a tectonic hazard vary between areas of contrasting levels of wealth | | | |
| I know the Immediate and long-term responses to a tectonic hazard. | | | |
| Using named examples , I can describe and explain how the effects and responses to a tectonic hazard vary between two areas of contrasting levels of wealth. | | | |
| Global atmospheric circulation helps to determine patterns of weather and climate | | | |
| I know the main features of the general atmospheric circulation model including pressure belts and surface winds. | | | |
| Tropical storms (hurricanes, cyclones, typhoons) develop because of particular physical conditions | | | |
| I know the global distribution of tropical storms (hurricanes, cyclones, typhoons). | | | |
| I understand the relationship between tropical storms and general atmospheric circulation. | | | |
| I can explain the causes of tropical storms and the sequence of their formation and development. | | | |
| I can describe the structure and features of a tropical storm. | | | |
| I understand how climate change might affect the distribution, frequency and intensity of tropical storms. | | | |

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| Tropical storms have significant effects on people and the environment | | | |
| I know the primary and secondary effects of tropical storms. | | | |
| I know the immediate and long-term responses to tropical storms. | | | |
| Using a named example of a tropical storm I can show its effects and responses. | | | |
| I know how monitoring, prediction, protection and planning can reduce the effects of tropical storms. | | | |
| The UK is affected by a number of weather hazards | | | |
| I know the types of weather hazard experienced in the UK. | | | |
| Extreme weather events in the UK have impacts on human activity | | | |
| I know an example of a recent extreme weather event in the UK. | | | |
| I know the causes of an extreme weather event in the UK. | | | |
| I know the social, economic and environmental impacts of an extreme weather event in the UK. | | | |
| I know the management strategies that can reduce the risk associated with an extreme weather event in the UK. | | | |
| Climate change is the result of natural and human factors, and has a range of effects | | | |
| I know the evidence for climate change from the beginning of the Quaternary period to the present day. | | | |
| I can describe and explain the possible causes of climate change: <ul style="list-style-type: none"> natural factors – orbital changes, volcanic activity and solar output. human factors – use of fossil fuels, agriculture and deforestation. | | | |
| I can give an overview of the effects of climate change on people. | | | |
| I can give an overview of the effects of climate change on the environment. | | | |
| Managing climate change involves both mitigation (reducing causes) and adaptation (responding to change) | | | |
| I know the difference between mitigation and adaptation. | | | |
| I know how alternative energy production can mitigate climate change. | | | |
| I know how carbon capture can mitigate climate change. | | | |
| I know how planting trees can mitigate climate change. | | | |
| I know how international agreements can mitigate climate change. | | | |
| I know how changes in agricultural systems supports climate change adaptation. | | | |
| I know how managing water supply supports climate change adaptation. | | | |
| I know how reducing risk from rising sea levels supports climate change adaptation. | | | |