

Year 3 Revision Guide for End of Year Exam 2018

Tectonic hazards

The structure of the Earth P3

Types of plate margin – Constructive, Destructive, Conservative and Collision P 3

- The distribution of earthquakes and volcanoes – describe and explain. P 4
- How earthquakes are measured Moment Magnitude Scale and Mercalli Scale
- The impacts of tectonic hazards in countries at different levels of wealth – contrast the impact between rich and poor P7.
- Why people live in hazardous areas P 8
- Is wealth the critical factor? Prediction, preparation and protection P 8

Weather Hazards

- Where and how tropical storms develop. P 10
- The features of a tropical storm P 10
- The impacts Primary and Secondary of tropical storms P 11
- Responses short and long term to tropical storms P 11 +12
- Ways to reduce the impacts of tropical storms – the relative merits of prediction, planning and protection – is one more important than the other or are they equal? P 12

Rivers

- Long and cross profiles of a river and how they change downstream P 47
- How rivers erode and transport material P 48
- Be able to identify the landforms in an upland and a lowland river P 49 -51 Upland V shaped valley, interlocking spurs, waterfalls and gorges. Lowland meanders including cross section of a meander, ox bow lakes, flood plains, levees and estuaries
- Flood hydrograph P 54
- Physical and human factors that increase the risk of a river flooding P54
- Ways to reduce flooding:
 - Hard engineering – dams, channel straightening, embankments, dredging the channel P 55
 - Soft engineering – flood warnings and preparation, flood plain zoning, removing obstacles to water flow, planting trees P55
- A flood management scheme – Boscastle – causes of the flood, impact of the new scheme P 56