**Hazards Review Notes –seismic hazards**

**What are the main features of seismic waves and how do they differ?**

**How are seismic waves measured and why do scientists prefer the MMS scale to the Richter and Mercalli?**

**Describe and explain the distribution of earthquakes globally.**

**Define the following terms:- focus, epicentre and seismic waves (draw a little diagram).**

**How does the depth of focus vary between the different plates?**

**What are the primary and secondary effects of seismic hazards? Give examples of where each have occurred and the impacts they have had.**

**Which of the primary and secondary effects do you think have the greatest/least impacts? Why?**

**What factors affect the scale of a seismic hazard?**

**How can seismic hazards be managed? Give examples for the following:-**

* **Preparation**
* **Mitigation**
* **Prevention**
* **Adaptation**

**Detailed case study example of Tohoku**

**Mind-map or produce notes to include:-**

**The spatial and temporal setting of the event.**

**The association of the event to plate boundaries and plate movement.**

**The causes of the event.**

**The perception of the event, and the factors affecting those perceptions at a range of scales –e.g. magnitude, frequency, population characteristics.**

**The impacts and an assessment of the impacts.**

**Assessment and justification of the response to the event – including the factors affecting the response.**