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| **IB DP Geography Geophysical Hazards - Pre-Event Management Strategies** |

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| **Description of methods including suitability for HIC / LIC** | **Application in different locations.**  |
| **Landslides – Slope stabilization & Early Warning Systems**Notes on engineering methods to stabilise slopes. Listen to the [BBC Science in Action Podcast](https://www.bbc.co.uk/sounds/play/w3csvrgy) and take notes from 1.00 – 6.00 and make notes on the landslide early warning system and how it might work.  | RÃ©sultat de recherche d'images pour "pen y clip tunnel" |
| **Tsunami Defence – Building a higher Wall in Japan post 2011.** First study the Guardian picture essay by [clicking here](https://www.theguardian.com/world/gallery/2018/mar/09/after-the-tsunami-japan-sea-walls-in-pictures). Then, [watch the report here](https://www.aljazeera.com/news/2018/03/japan-builds-tsunami-walls-180309133815703.html) and take notes on the new tsunami walls being built on the coastline in Japan and it’s controversies.  | Image associÃ©e |
| **Earthquake Resistant Buildings** Listen to the [BBC Inquiry Podcast (2017) Can we Quake-Proof a City](https://www.bbc.co.uk/sounds/play/p03mqhzy)?***Part 1 – Lessons from the dead.******Part 2 – High Tech City.******Part 3 – Low Tech city.******Part 4 – Lifelines.*** | RÃ©sultat de recherche d'images pour "shanghai world financial"Image result for earthquake resistant building LEDC | RÃ©sultat de recherche d'images pour "gabion boxes house"RÃ©sultat de recherche d'images pour "earthquake resistant house LEDC"C:\Users\podbury_m\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\35501C67.tmp**To the left, HIC earthquake resistant building design, and below, LIC.** |
| **GPS Crater Monitoring – Volcanoes** Use the [excellent information here from USGS](https://volcanoes.usgs.gov/vhp/gps.html) to make notes on how GPS crater monitoring can give important warnings about imminent eruptions and how this can reduce vulnerability amongst populations close to the volcano. | Global Positioning System receiver (called a GPS monument) at North Rim Station, a monitoring location at Newberry volcano, Oregon.   (Click image to view full size.)RÃ©sultat de recherche d'images pour "GPS crater monitoring"Image associÃ©e |
| **Lava Diversion Channels – Volcanoes** Read the [information here](http://volcano.oregonstate.edu/vwdocs/volc_images/europe_west_asia/etna_diversion.html) and explain how this relatively simple process works.  | http://volcano.oregonstate.edu/vwdocs/volc_images/europe_west_asia/J8.jpg |