**Earthquakes boost tree growth**

* **What is your name?**
Joshua Kalunga
* **What is the email you used to register at AIU?**
joshuakalunga1968@gmail.com
* **What is the email of your Tutor?**
Cyndy@aiu.edu
* **What was your first thought when you heard the title of this article?**
Got excited to learn the benefits of earthquake to the environment apart from its devastating effects
* **Explain how the researchers discovered that earthquakes could help trees grow.**
The researchers noticed that there was change of water flow in the area where the earthquake occurred. The water was flowing fast and sipping underground thereby providing fertilizer to the vegetation. This prompted an extension of study from sedimentation transportation to effects of earthquake to the environment.
* **How does an earthquake affect the flow of water through valleys, soil and rivers?**
The earthquake creates water passage underground
* **Explain how an earthquake can help trees in the valleys grow while trees high on the ridgelines do not grow as a result of an earthquake?**
The trees at the bottom receives enough water and nutrients which improves fertilization and helps trees to grow faster than those at the Hill top
* **Explain how this discovery could be used?**
The discovery could be used to date back the period when the struck. The scientists will use the core rings and carbon 12 and 23 to determine when the earthquake occurred.
* **How could you benefit from this discovery?**
There's improved accuracy in the determination events the happened during ancient times
* **What other positive benefit could you imagine from an earthquake? Do you think it has been researched?**
Determine early warning of earthquake and how this can be used to human advantage. This has not been researched. More need to be in this area.