

Earthquakes

This is an information report about Earthquakes and especially what **careers** works with earthquakes and how they have the best effective and most efficient way to prepare for an earthquake.

The 4 **careers** are:

- 1) Emergency services.
- 2) Government.
- 3) Scientists.
- 4) General people.

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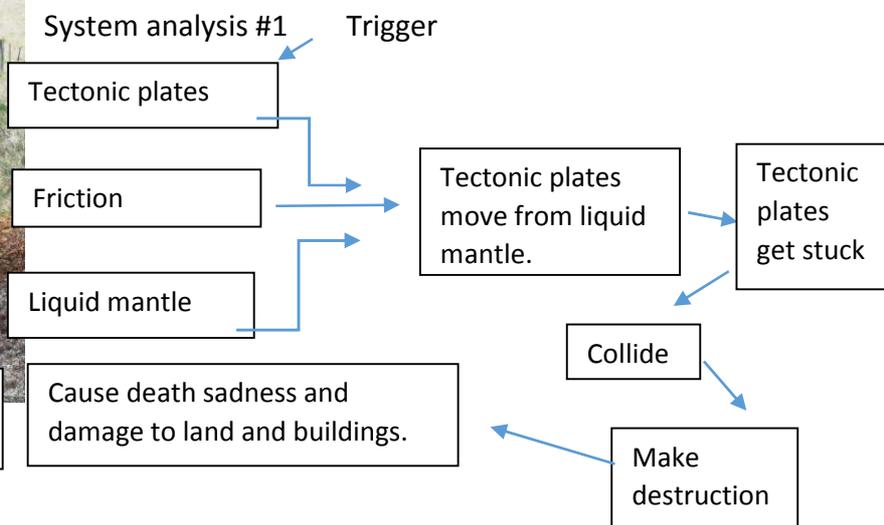
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An effect of an earthquake. Even train track can change as and effect of an earthquakes.



What is an earthquake and how is it defined?

Firstly, this paragraph is about what an earthquake is and defined.

Firstly. Earthquakes are Continuous shaking included by the earth's crust that causes damage to the earth such as a crack and bumps which is a damage upheaval. Earthquake are caused by when 2 tectonic plates which are placed on liquid mantle get stuck and the friction between them is so strong it has enough of an impact to shake the ground and effect buildings. One of the biggest earthquakes in the world is in china in 1556 January 23rd and killed about 830,000 deaths and many more were injured. A lot of earthquakes happen every day with an earthquake of a magnitude of 3 or less on the Richter scale. Infect they happen about 100 times a day in the world, Greater earthquakes with a higher magnitude of 3 happen once per month and 7+ magnitude of the Richter scale occur quite rarely once a year. Earthquakes can occur more frequently than others because more regions experience them much more because the tectonic plates are formed bigger than others.

How does the Emergency services prepare?

Secondly, Emergency services have figured out a way to prepare for earthquakes.

Emergency services have layer out all the earthquake prone areas so that will be the place that will receive earthquakes a lot and have a lot more tectonic plates around them. They don't think earthquakes can be prevented but they could be able to be prepared effectively.

How Emergency Services prepare for earthquakes:

- Check your insurance is covered for the repairing.
- If you're buying a new house that you are prepared for it to be in an earthquakes prone area.
- Put all your breakables on lower shelves.
- Prepare you committee and consider about joining the voluntary club.

Experts say you need to care for your property and pets and practice training for first aid if someone got affected by an earthquakes **(DRS ABCD.)**

Emergency services say to do this to have safer experience.

How can the Government prepare for an earthquake?

Thirdly the government is all about being aware and the have found a way to make everyone safe.

The government says to be aware of hazards and be ready and prepared for when one comes. They think if you pre-prepare you won't have so much trouble when it strikes because you would have done something to help you have a safer experience. This is buy a government official site. This site doesn't say much on preparation but it does say things about what to do during an earthquake?

You could create:

- A family emergency plan.

- Identify safe places in our house to meet if you are separated.
- Emergency services
The government says we should monitor and create technology so we can recover from earthquakes efficiently and effectively.

How might scientists prepare for earthquake?

Furthermore, Scientists found out many ways to prepare.

Scientists think that to prepare effectively you need to be able to predict because the government says the general population don't want to prepare at the wrong time they haven't figured out how they will predict them yet because they don't have enough technology. Scientists have been working on many ideas but have not been successful because they don't know where an earthquake will happen.

50 years ago we didn't have much technology at all but now they do, so they aren't going to give up and not keep trying they keep just having ago but right now they haven't been successful. Although we could be successful scientists can predict small earthquakes but not major earthquakes, it is handy to know where small earthquakes are because big ones could happen there. They are always trying to predict big ones still but although they can pick where small ones are they are not always accurate.

Scientists are still working on finding technology to prepare the best way they can. But they have found a way P waves and S waves P waves are faster and quicker than S waves. Now compare p waves and S waves to thunder and lightning. Light travels faster than sound so during a thunderstorm you see lightning first followed by thunder. Thunder will sound after lightning strikes. Although if you are far away from lightning it takes longer to hear thunder.

P waves = Lightning

S waves= Thunder

P waves travel faster and shake the ground more so when it shakes you know their P waves.

How could general people compare compared to scientists.

How do general people prepare for an earthquake?

Furthermore, the general population could still have a way to prepare.

To prepare for an earthquake you could start some family drills. For fake an action to see what it is like to jolt to be prepared so you don't get scared. You don't know when it will happen so you should regularly prepare so you will be ready and could have a safer experience.

Here are things you can do to prepare for an earthquake.

- Fasten shelves to walls

- Prepare electricity
- Strap your water heater to the floor
- Repair damages and large cracks on your house
- Identify safe places
- Teach children how to dial 000
- Make a kit of supplies
- Get emergency food and drink
- Ask your council to make your school safer
- Know your safe

If you're shaking you could

- drop down and hold on
- Stay indoors till shaking stops
- Protect your head
- If you are in a car slow down but stay in the car
- If you are indoors stay away from windows shelves and chimneys
- DO NOT use elevators
- If outside keep clear of buildings sky scrapers and buildings.

How could all of the careers work together to prepare for an earthquake?

Lastly, working together might help prepare better.

Many different carers try to work with earthquakes or try and prevent them but many **careers** are working on preparing them.

To prepare for an earthquake the general people could work with the government to best efficient effective way to prepare for an earthquake.

Their objective was to:

1. To understand the basic of an earthquakes and see where they occur.
2. The importance of high quality construction in earthquake zones
3. The political aspects of an earthquake. Preparing and cleaning up
4. Learn from previous earthquakes and how we can prepare better for an earthquake in the future.

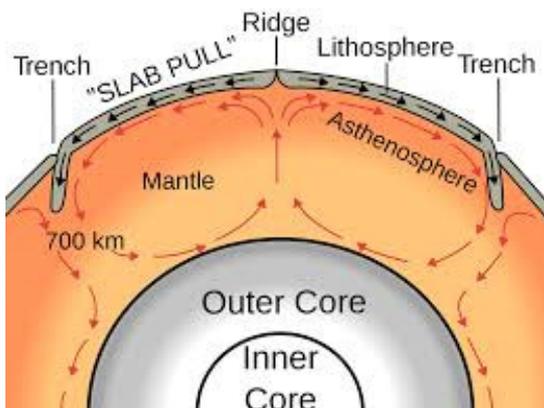
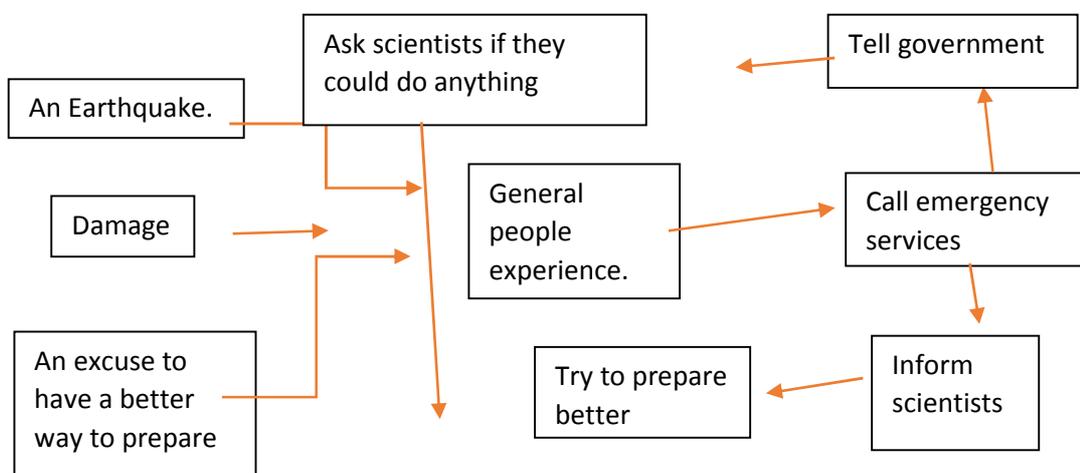
People are at high risks of an earthquake so **careers** so could work together to have the best way to prepare for an earthquake and they could succeed really well. If people think they could help they should help because they could have a better idea than scientists but no one knows because they haven't shared it or worked together maybe people are better than you predicted. Because everyone who is a part of these carers is a person.

They might be working together not to prepare though but you just don't know it.

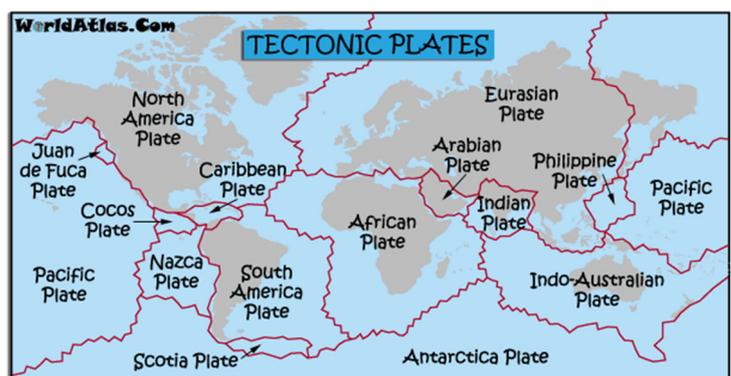
All the **careers** prepare in their own way. How would you prepare? In an earthquake make sure to follow steps all **careers** are working on. Now you know that earthquakes prepare from many different people and **careers**. Next time there is an earthquake make sure you are ready and have a safer experience because it is just the ground shaking which is natural what would happen if these tectonic plates were not making earthquakes.

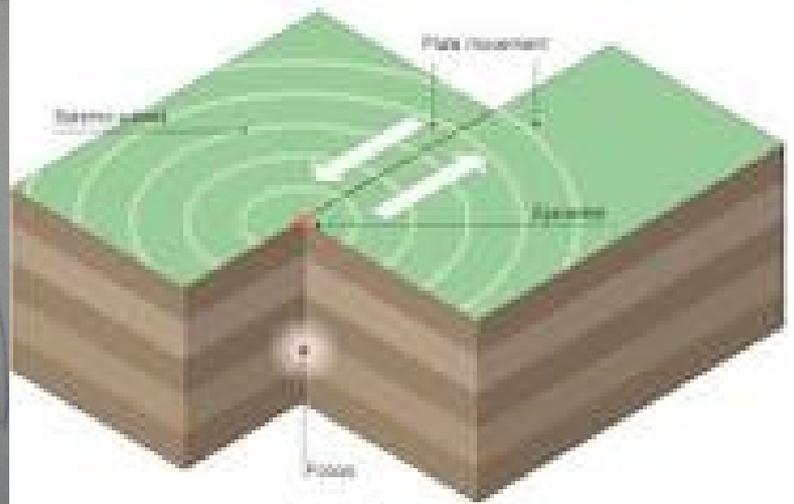
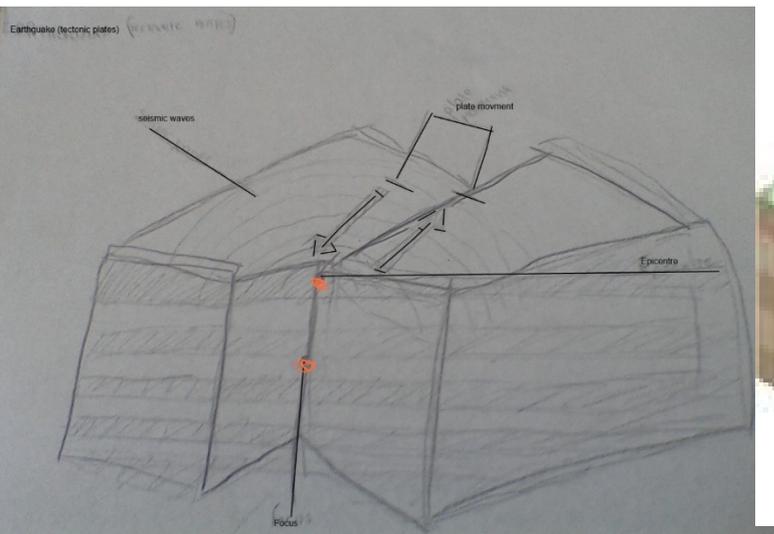
System analysis #2

General people call emergency services and then try and prepare.



Scientific diagram:





Glossary

P waves – light waves

S waves – sound waves

DRS ABCD – is an acrostic poem about D for danger R for response S for send for help A is for airway B is for breathing C is for CPR and D is for Defoliation

Careers- Jobs or business that get paid to do their to do job

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Prior knowledge

General people call emergency services and then try and prepare.

