



Liquefaction like a swamp

Places that were originally lakes, swamps, rivers and sea and which were landfilled are likely to suffer liquefaction when an earthquake occurs. Sand may shoot out and buildings may tilt as the ground becomes like a swamp.





Bedroom is safe?

Where do you stay in the house the longest? • • • • Living room or bedroom

probably

Check if \[\text{Living room} \] or \[\text{Bedroom} \] is really a safe place During Hanshin Awaji Earthquake, television sets were thrown around, and heavy pianos got flung to the ceiling Also ceilings and huge beams supporting the roof fell Must take care not to get pinned down by such objects





Don't drive. Evacuation by car is dangerous

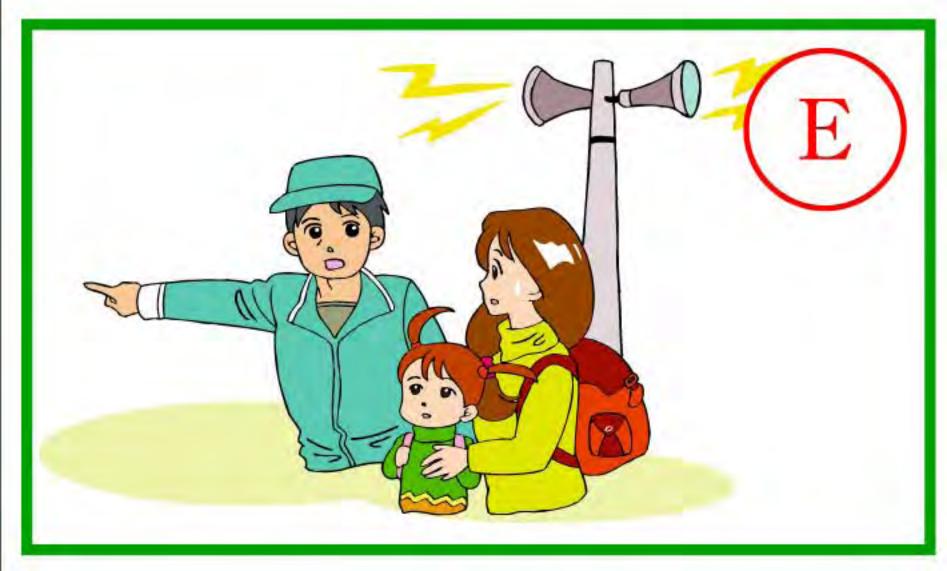
Park your car on the side of the road and \[\sqrt{walk} \] to evacuation center when earthquake strikes If your car blocks the road then emergency vehicles such as fire engines and ambulances will not be able to pass. During East Japan earthquake most people who drove perished in the tsunami





Jet speed at sea, car speed near land tsunami is fast

Tsunami travels at jet speed 800km/hour in the deep seas In shallow waters it slows down but still travels at car speeds. When it slows down the following waves catch upto it near land increasing the height of the tsunami Evacuating after sigthing tsunami is usually too late





Evacuation warning - obey immediately!

「Evacuation warning 」 comes after 「Information to prepare for Evacuation」。

Once Evacuation warning is given, do not wait for next Evacuation order. Evacuate to a safe place quickly [Evacuation warning] is given for the safety of peoples lives Evacuation order is a mandatory command





uneXpected - Guerilla rains

Due to climate warming, abnormal weather conditions like guerilla rains have increased When skies go dark and black clouds gather take heed of forecasts for disasters





Strange? Muddy wellwaters

When ground water in wells gets muddy or the water volume changes, these signal an earthquake, tsunami, landslide or such disaster

Be careful

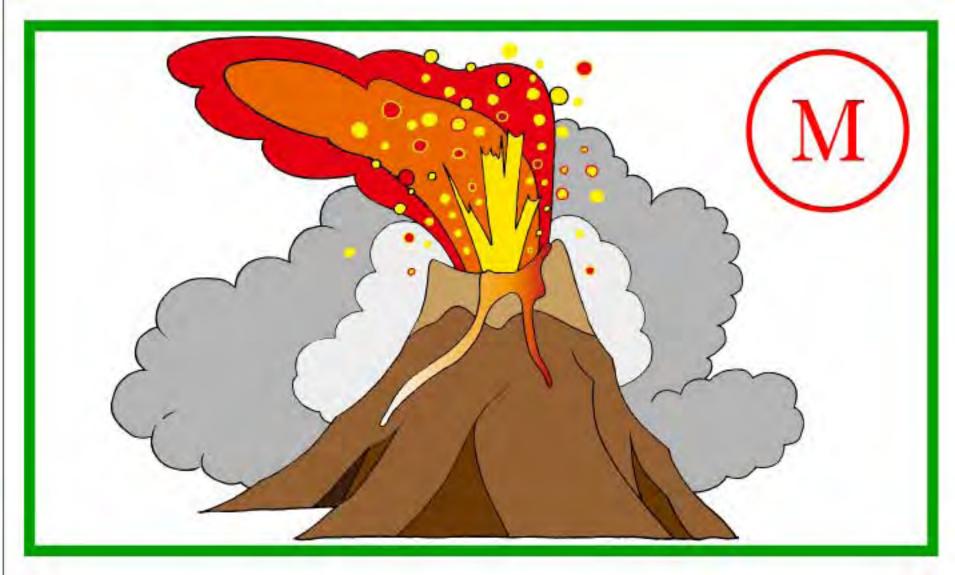




Framework structure to examine for earthquake proof safety

80% of the casualities from the Hanshin Awaji earthquake were due to people getting trapped under debris Many houses built more than 30 years ago (before May 1981)

collapsed. Can do self examination for earthquake proof housing free of charge





Magma gushes out - Volcano

Volcanic explosion occurs deep underground and magma then gushes out over land Magma gushes out of craters or flows as lava





Inspect consumption dates

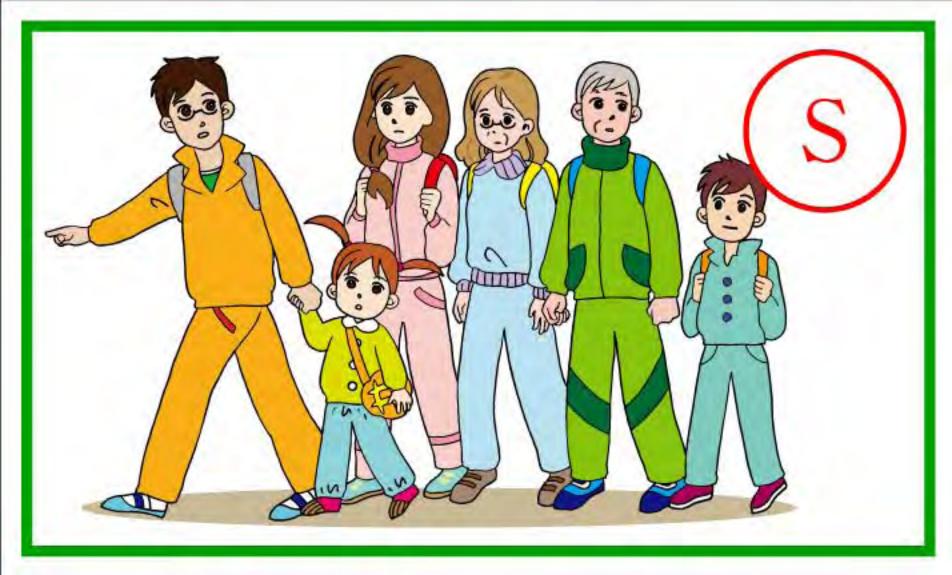
Fluids in pet bottles can be
preserved for 2 years
Check the expiration dates for emergency foods
from time to time and replace as needed.





Zeal to return is unwise. Evacuate to closest center

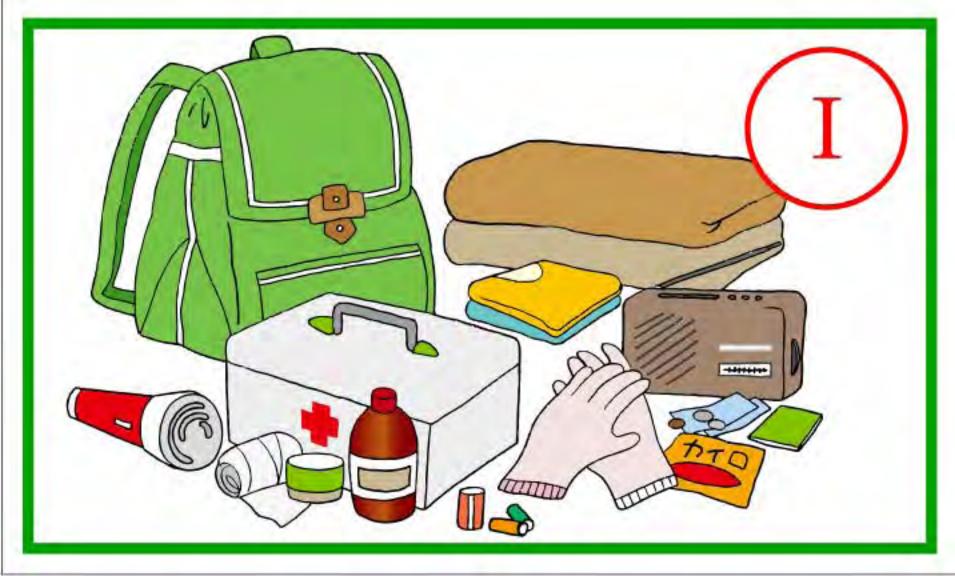
When the distance to home is more than 20 kms it is unwise to walk the distance to return home. Ascertain the closest evacuation center and stay there till conditions improve





Strive for. Safe evacuation for everyone

Mutually helping and cooperating in evacuating to save everyone is a goal to strive for.





Items to carry - Keep prepared

Emergency items to carry to keep prepared for quick retrieval during disaster





Mountain Tsunami - from mountains

Mountain tsunami? ••• That is an avalanche.

Avalanche occurs when rocks and soil on
mountain slopes get swept by large amounts of water
Take care of Mountain tsunami after heavy or long rains



R



Run if it shakes - Tsunami Earthquake

Meiji Sanriku Earthquake tsunami of 1896, the tremor on land was of intensity 2 or 3 However a huge tsunami was created in the deep seas due to which 20,000 people perished. This is tsunami earthquake. Even if the tremor is slight if tsunami warning is given run to high grounds



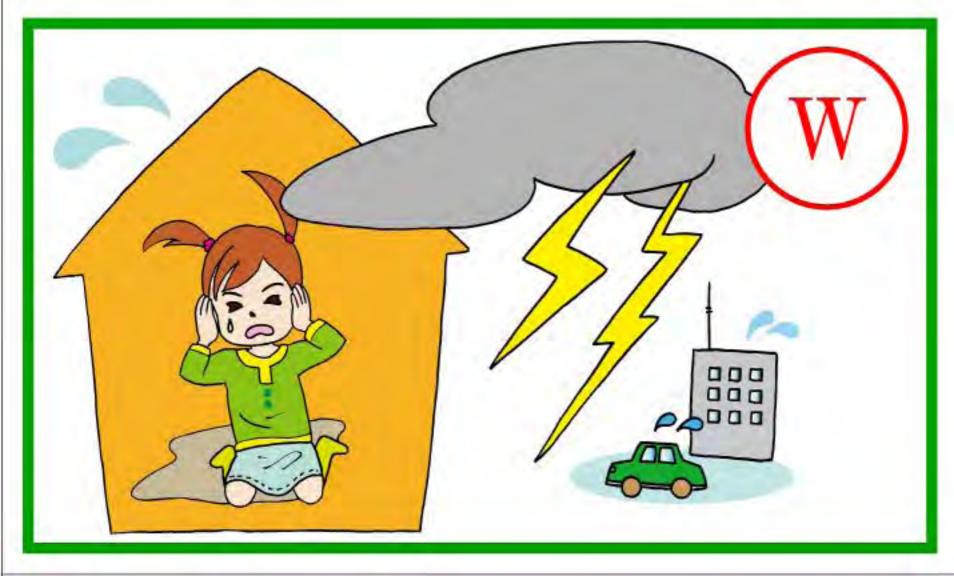


Listen carefully to disaster broadcasts

Evacuation information is broadcast during disasters

Listen carefully and take quick action as

instructed in the broadcasts





When you hear thunder rumble

After lightening, you can hear \[\text{rumble} \]
of thunder. Take care
If outdoors, then take shelter in a place with
lightening rod. Inside of a car is comparatively safe





Neighbors to help each other (mutual help)

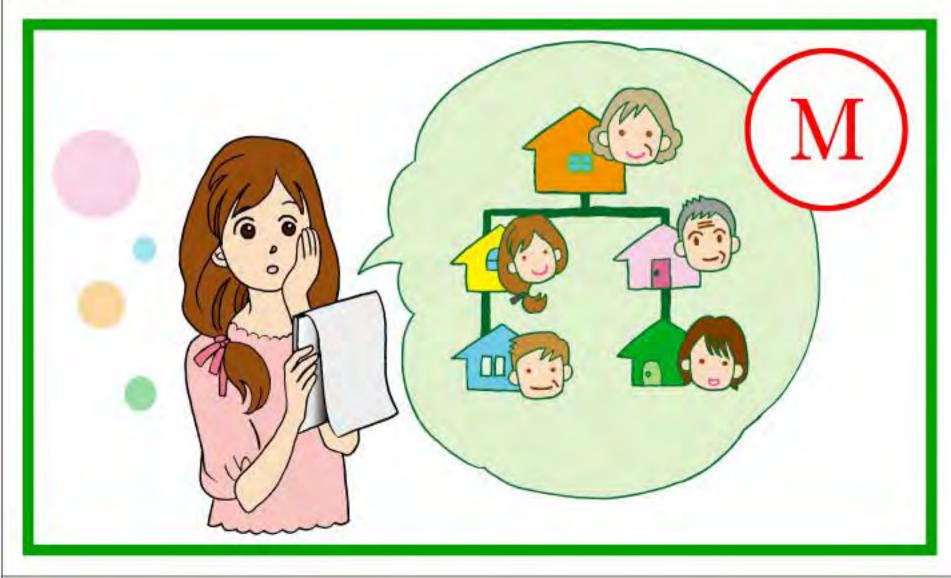
During Hanshin Awaji Earthquake, foremost neighbors helped each other and many lives were saved till emergency and aid workers can arrive must help neighbors mutually





Know the route to evacuation center

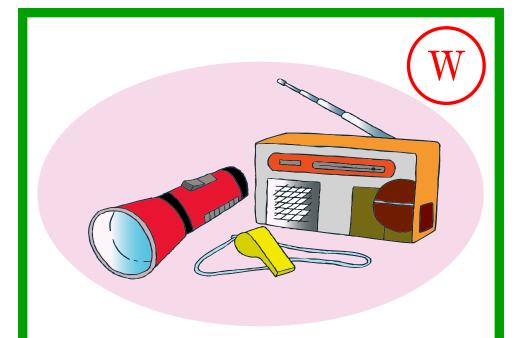
Learn the route to the evacuation center
It is possible that designated evacuation center may
change due to tsunami or landslide.
Pay attention in such cases





Message network - linking the community (cooperation)

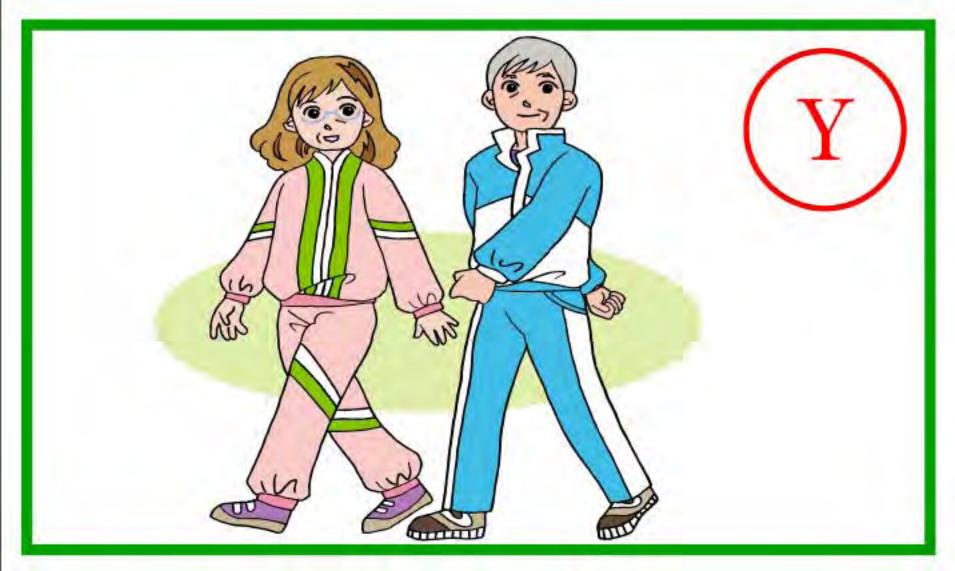
Helps for emergency contacts during disasters Update the address and contact numbers





Whistles, Flashlights, Radio, instead of candles

Keep disaster goods close by. Especially
flashlights, portable radios and whistles
Whistles are essential in order to inform your whereabouts





Young and fit - can evacuate without help

Walk and exercise daily.

Nourish your body properly so that can
evacuate without help from others





[N]? Be on guard for disaster prevention

Use your 5 senses [see],[hear],[feel],[taste],[smell] to observe and notice changes in the environment and to be on guard to take action for prevention and reduction of disaster

END

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