

Aim

- I can explain what causes tsunamis and how they affect people.

Success Criteria

- I can tell you where tsunamis happen.
- I can explain what causes a tsunami.
- I can describe the damage caused by a tsunami.
- I can tell you how to keep safe in a tsunami.

What Is a Tsunami?



What do you think a tsunami is?



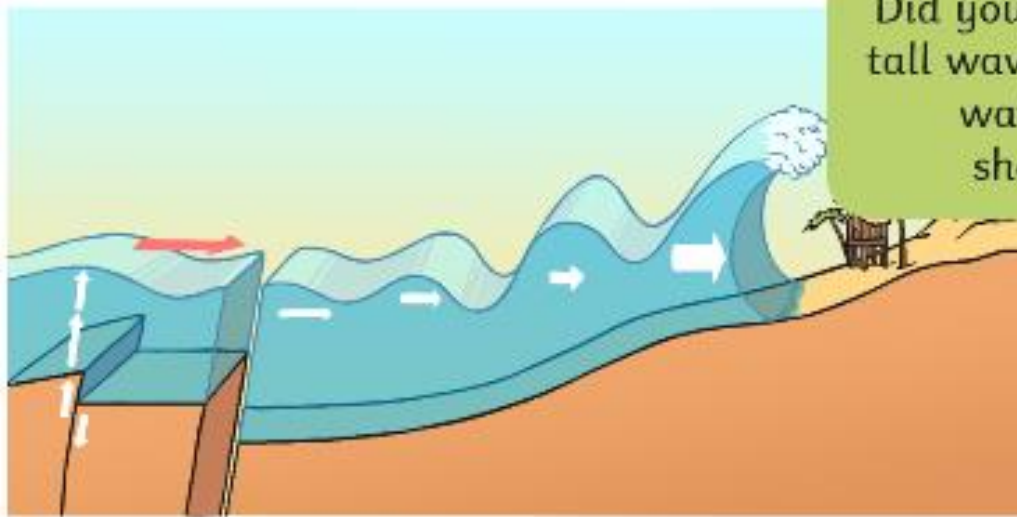
Tsunami is a Japanese word.

It means 'Harbour Wave'.

A tsunami is a giant wave.

What Causes a Tsunami?

- A tsunami is a giant wave caused by a huge earthquake under the ocean.
- The earthquake causes a large amount of water to be displaced very quickly.
- A series of waves travels through the deep water.
- As the waves travel through shallower water near the land, they get bigger.



Did you know... before the tall wave hits the land, the water level at the shore will drop?



Tsunami Safety Rules



Approaching tsunamis are sometimes predicted by a sudden rise or fall of coastal waters and are usually accompanied by a loud roar that sounds like a train or aircraft. If you notice these, move inland to high ground straight away.

Stay out of danger until an "ALL CLEAR" is issued by the emergency services.

Homes and other buildings located in low lying coastal areas are not safe. Do NOT stay in such buildings if there is a tsunami warning.

The upper floors of high, multi-story, reinforced concrete hotels can provide safety if there is no time to quickly move inland or to higher ground.

Never go down to the beach to watch for a tsunami! A small tsunami at one beach can be a giant a few miles away.

Stay tuned to your local radio or television stations during a tsunami emergency.

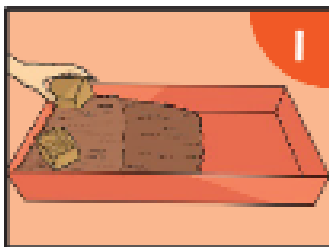


Task

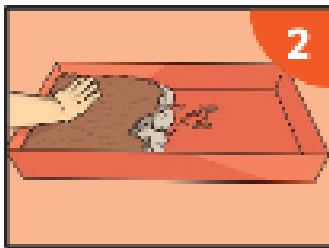
Make a Tsunami

You will need:

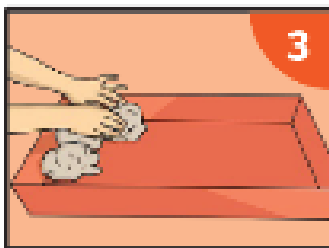
- large plastic box (at least 40cm long e.g. underbed storage box)
- Newspaper
- Mud
- Model houses
- Water
- Block of wood



1 Place crumpled up newspaper into half of a long container.



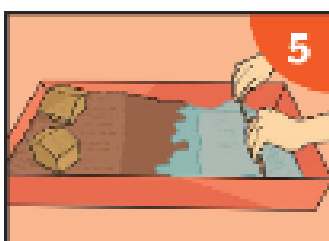
2 Place mud onto the newspaper and compress it to form a slope.



3 Place cardboard houses onto the mud.



4 Pour water to the end of the container.



5 Thrust a piece of cardboard through the water.