

English B2 Reading Watching Writing Comprehension

A tsunami - Key

- a. Who did the Potidaea's believe saved them from the attackers in 479 BC?
 The wrath of Poseidon.
- b. What did really save them?

A tsunami

c. Tsunamis are commonly known as tidal waves. Are they related to tidal activity? Explain.

Tsunamis are not related to tidal activity. Tidal activity is caused by the gravitational forces of the sun and moon. Tsunamis are just larger versions of regular waves.

- d. Where does the energy come from to create normal ocean waves?From wind. Wind only touches the surface of the water, thus the size and
 - speed of the waves is limited.
- e. What about the energy creating a tsunami?
 - Energy originating under water: a volcanic eruption, a submarine landslide or an earthquake on the ocean floor.
- f. How fast can a tsunami move?

Over 500 m/hr

g. What is wave shoaling?

Less amount of water near the shore compresses large amount of energy.

Speed reduces, hight rises.



h. How could you protect yourself against tsunamis?

Seawalls - Floodgates - Channels to divert the water

i. What happened in 2001 at Fukushima, Japan?

A tsunami broke through the seawalls which resulted in a nuclear disaster and killed over 18000 people.