

# HOW TSUNAMIS WORK



**A. Pre-watching** - Match the words or phrases to their definitions on the right (write the correct letter in each box).

1	retreat (v)	<input type="text"/>	a	a low area between two high waves or hills
2	gravity (n)	<input type="text"/>	b	a warning of danger or of a problem
3	level (v)	<input type="text"/>	c	the highest part or point of a hill or wave
4	trough (n)	<input type="text"/>	d	to surround a city with soldiers and try to take control of it
5	debris (n)	<input type="text"/>	e	to move back and cover less of a place
6	besiege (v)	<input type="text"/>	f	to happen or appear for the first time in a particular place
7	alert (n)	<input type="text"/>	g	the force that makes things fall to the ground
8	divert (v)	<input type="text"/>	h	the pieces that are left after something has been destroyed
9	originate (v)	<input type="text"/>	i	to knock (someone or something) down to the ground
10	crest (n)	<input type="text"/>	j	to change the direction of (something)

**B. Now watch an animated video about how tsunamis work and fill in the gaps in the following sentences.** <https://www.youtube.com/watch?v=Wx9vPv-T51I>

1	Tsunamis are commonly known as .....
2	Ocean waves are limited in ..... and .....
3	An earthquake on the ocean floor is caused when the ..... of the Earth's surface slip.
4	This energy travels up to the surface, ..... water and raising it above the normal sea level.
5	Because there is less water to move through, this massive amount of energy is .....
6	Tsunami means "....." in Japanese.
7	If the ..... of a tsunami reaches shore first, the water will .....
8	The 2004 Indian Ocean tsunami was one of the deadliest ..... in history.
9	People have attempted to stop tsunamis with sea walls, ....., and channels.
10	When nature is too powerful to stop, the ..... is to get out of its way.

**C. Now watch the video again and decide whether the following statements are true or false? Write T for True or F for False.**

1	The Persian soldiers who were trying to invade Potidaea were drowned by a tsunami.	<input type="text"/>
2	Tsunamis are caused by the gravitational pull of the Moon and Sun.	<input type="text"/>
3	Tsunamis have low and high points just like regular waves.	<input type="text"/>
4	Normal ocean waves only involve motion of the uppermost layer of the water.	<input type="text"/>
5	The energy that causes normal ocean waves comes from underwater.	<input type="text"/>
6	An earthquake on the ocean floor is the most common cause of a tsunami.	<input type="text"/>
7	A tsunami can be easily noticed even when it is far from the shore.	<input type="text"/>
8	When a tsunami approaches the coast, it travels faster.	<input type="text"/>
9	A tsunami can travel a mile or more into the mainland.	<input type="text"/>
10	The wall surrounding the power plant in Fukushima was high enough to protect it from the tsunami.	<input type="text"/>

