

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)		a	a low area between two high waves or hills
2	gravity (n)		b	a warning of danger or of a problem
3	level (v)		c	the highest part or point of a hill or wave
4	trough (n)		d	to surround a city with soldiers and try to take control of it
5	debris (n)		e	to move back and cover less of a place
6	besiege (v)		f	to happen or appear for the first time in a particular place
7	alert (n)		g	the force that makes things fall to the ground
8	divert (v)		h	the pieces that are left after something has been destroyed
9	originate (v)		i	to knock (someone or something) down to the ground
10	crest (n)		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.	
2	Tsunamis are caused by the gravitational pull of the Moon and Sun.	
3	Tsunamis have low and high points just like regular waves.	
4	Normal ocean waves only involve motion of the uppermost layer of the water.	
5	The energy that causes normal ocean waves comes from underwater.	
6	An earthquake on the ocean floor is the most common cause of a tsunami.	
7	A tsunami can be easily noticed even when it is far from the shore.	
8	When a tsunami approaches the coast, it travels faster.	
9	A tsunami can travel a mile or more into the mainland.	
10	The wall surrounding the power plant in Fukushima was high enough to protect it from the tsunami.	

