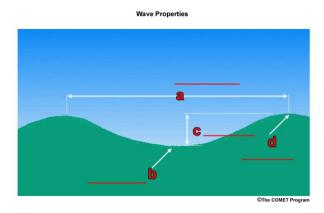


Worksheet 3: Teacher Version for Lessons:

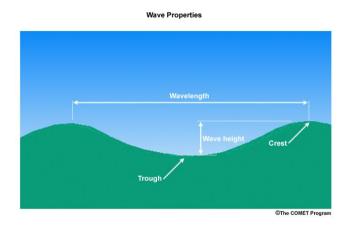
- -Wave Characteristics and Tsunamis
- -Preparing for a Tsunami
- 1a. The distance between two consecutive wave crests is called the ______.

Answer: wavelength

1b. Label the wavelength and other wave components in this diagram (a, b, c, & d mark each location to be labeled).



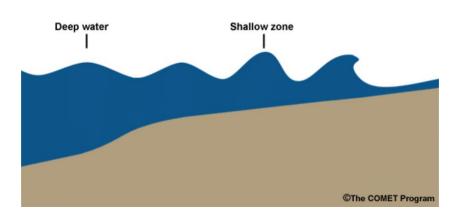
Answer (see labels on image below):



	Answer: wave period
.	Which waves—wind waves or tsunamis—have a larger wavelength?
١.	Which waves—wind waves or tsunamis—travel more quickly?

Answer: Wavelength decreases, wave height incre ases.

Shallow Water Wave Properties



5b. What happens to the wave speed? _____

Answer: Wave speed <u>decreases</u>

6.	What should you do if you are at the beach and feel an earthquake? Check the correct answers from
	the list shown here.
	a. Watch to see if the water recedes
	b. Get off the beach
	c. Listen for a siren
	d. Move to higher ground immediately
	e. Stay out of the water
	f. Wait to be evacuated
	g. Round up others in your vicinity and clear the beach
	area. Answer: The correct answers are b, d, e, and g.
7.	List five items you should have in your emergency preparedness kit.
	
	
	
	
	Possible answers: flashlight, batteries, canned food, water, medicine/personal supplies, first aid kit, pet
	supplies, important papers, money/credit cards, cell phone, whistle, duct tape, tools, local maps,
	medications, baby supplies, disinfectant, fire extinguisher, disposable dishes and utensils, books or other
	entertain ment
	Chertain ment
8.	True or false: Once a Tsunami Warning is cancelled, it is safe to go to the beach. (Circle the correct
	answer.)
	Answer: False (Do no t approach the beach area until local officials give an "all clear".)
9.	True or false: A siren will always sound to signal that a tsunami is coming. (Circle the correct answer.)
	Answer: False. Not all locations have sirens.
10.	If you are in a low area next to the water, what is the minimum height you should climb to be sure
	you are safe from an incoming tsunami?
a.	2 meters
b.	5 meters
c.	10 meters
d.	30 meters
	Answer: d, 30 meters