

Name: _____

Date: 3/5/19



GENIUSCHALLENGE

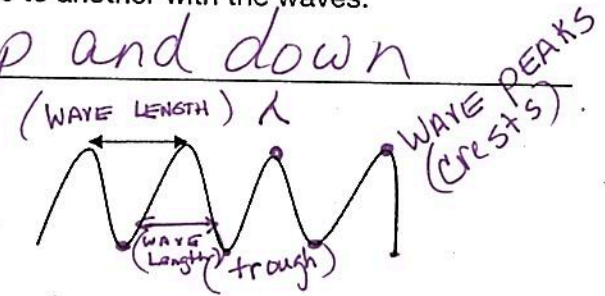
WAVE PROPERTIES

1. What is transferred from place to place by waves? energy

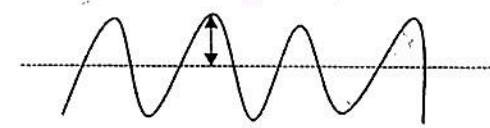
2. True or false: when placed in water, a ball moves from one place to another with the waves.

False, it bounces up and down

3. What is this called? Wave length



4. What is this called? Amplitude



5. True or false: longitudinal waves move up and down. false (transverse)

6. Which of these is true of sound waves?

- a. they only work in air
- b. move in all directions
- c. can be heard in space

7. What is it called when dolphins communicate underwater through sound waves?
echo location

8. Fill in the blank using the word(s) increases, decreases, or stays the same.

When energy increases, amplitude increases.

9. Fill in the blank using the word transverse or longitudinal.

Water waves are transverse waves because the wave moves up and down.

10. What moves the pieces of salt on top of the speaker when the music is playing?

vibrating air particles

See next page
Definitions attached

Name _____

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Own Definition	Definition
Amplitude:	Amplitude:
Wavelength:	Wavelength:
Sound Wave:	Sound Wave:
Transverse Wave:	Transverse Wave:
Longitudinal Wave:	Longitudinal Wave:
Wave Peak (Crest):	Wave Peak (Crest):