

Name: _____

Date: _____



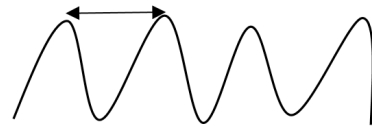
GENIUSCHALLENGE

WAVE PROPERTIES

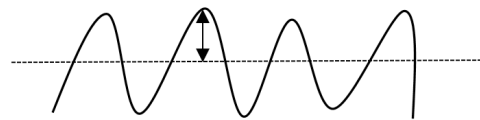
1. What is transferred from place to place by waves? _____

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

3. What is this called? _____



4. What is this called? _____



5. True or false: longitudinal waves move up and down. _____

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?

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

When energy increases, amplitude _____.

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

Water waves are _____ 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?
