

Which statements are True and which statements are False?

WELL DONE!

✓ TRUE / FALSE

A) Pitch is a measure of loudness.

✓ TRUE / FALSE

B) Sound waves cannot travel across empty space.

✓ TRUE / FALSE

C) Sound can travel through a brick wall.

✓ TRUE / FALSE

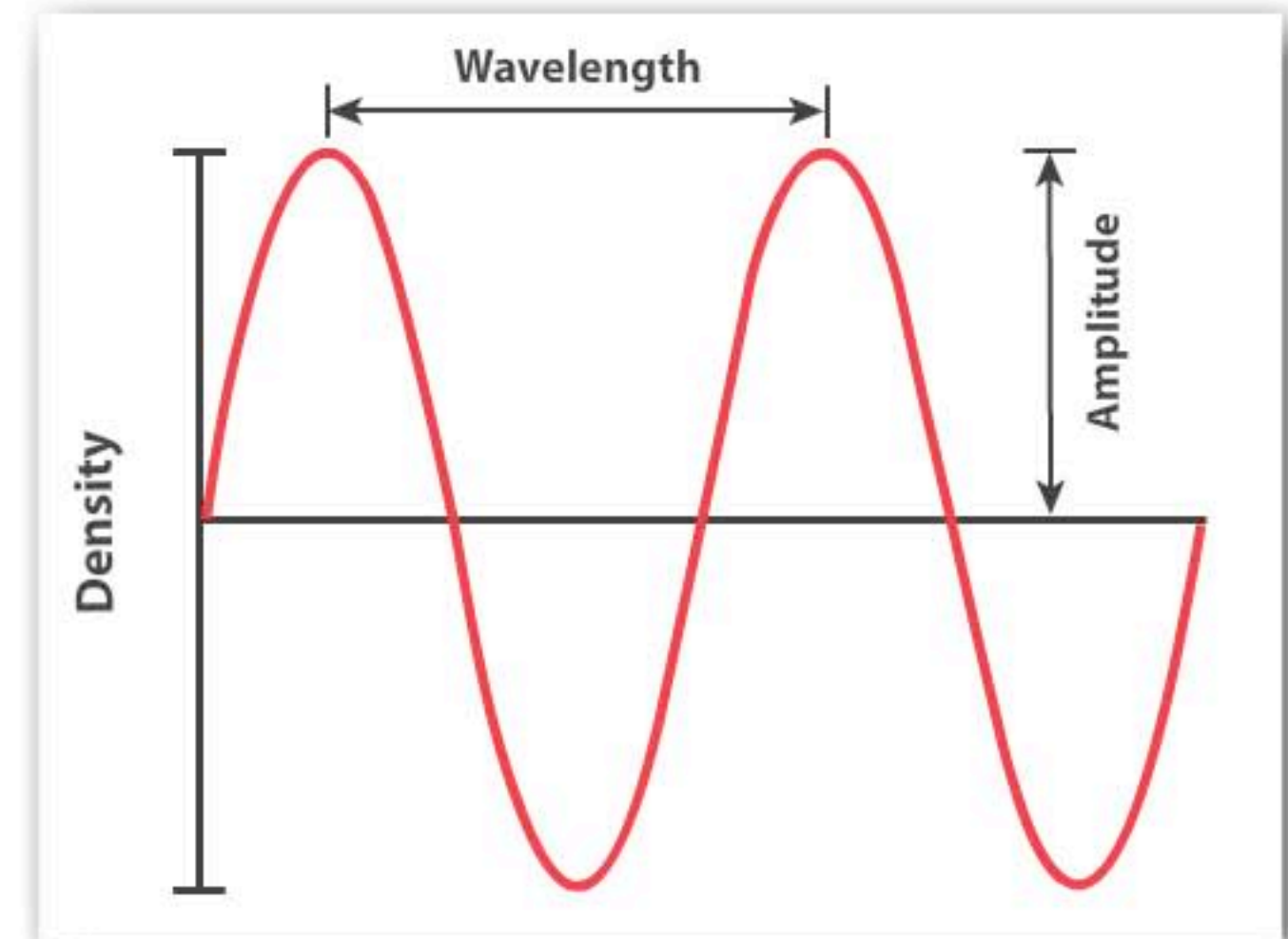
D) An ocean wave carries water along with it.

✓ TRUE / FALSE

E) The material that carries a wave is called the "medium."



We have learned that sound waves pass in some mysterious way through particles that we can't even see. Water waves are easier to make sense of. First of all, we can see them, and they look like what we think of as waves.



We learned that frequency is the number of waves per second. The frequency is much lower for water waves than for sound. It is so low we can count the waves as they pass by. Water waves are good for explaining some other things about wave motion.

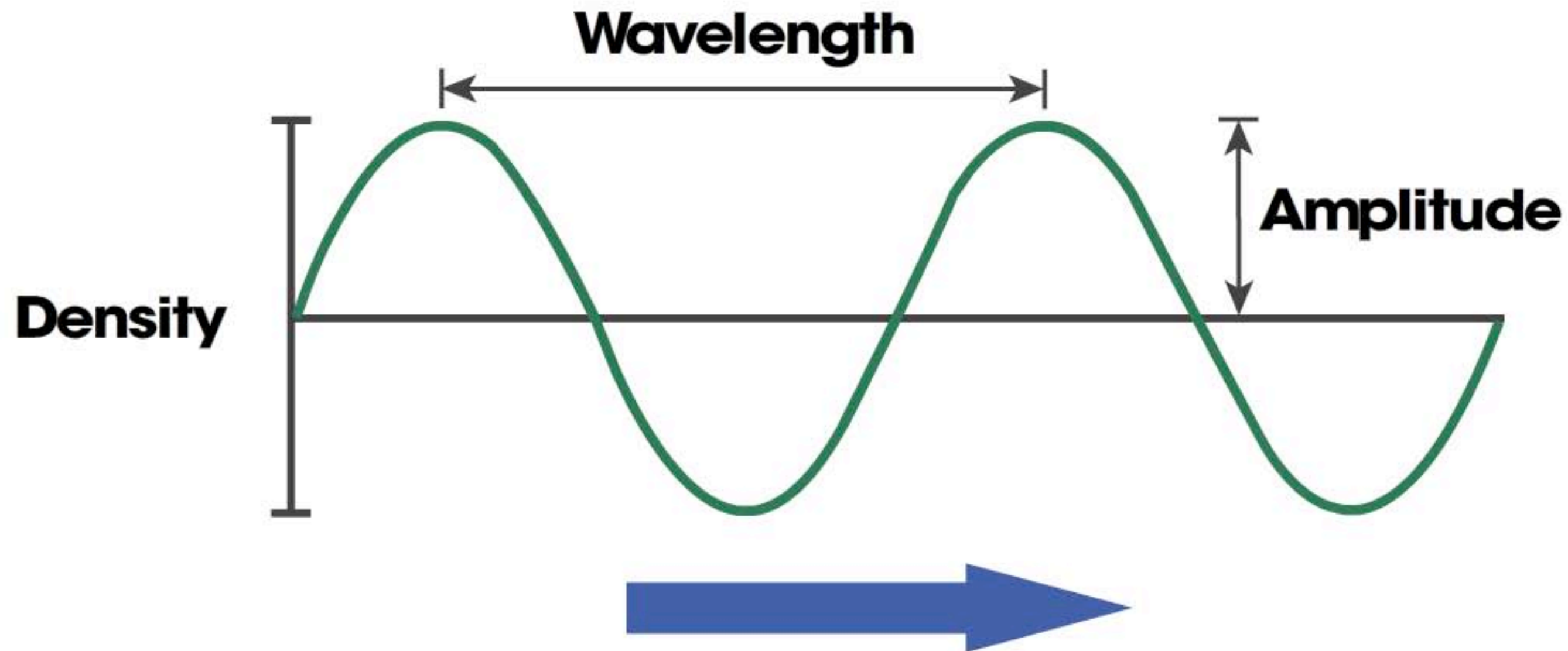
The picture above shows water waves. This is what they would look like if you could look at the surface of the water sideways.

continue reading

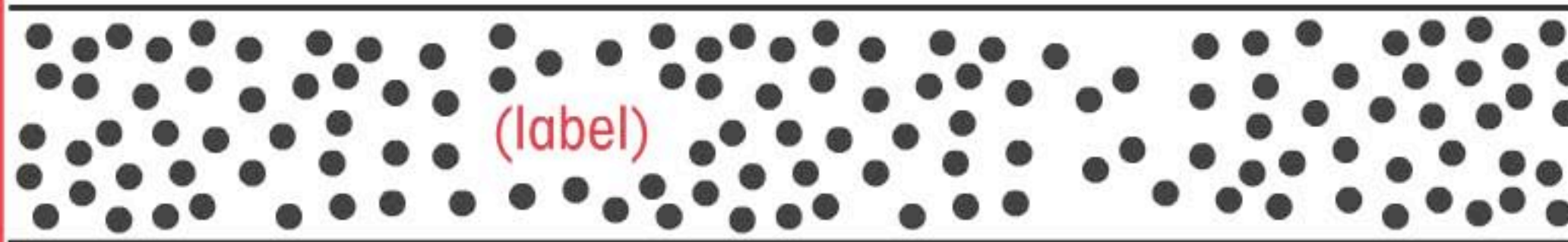
Wave Characteristics

Sound Wave

Air Particles



animation
ON/OFF



(label)

(label)



(label)



Reset