Sound

3.1 Sound waves and how they travel

words from the box to complete the sentences below.

each word once, more than once, or not at all.

compressions waves solids vibrating rarefactions moving vacuum radio

asound is produced by something that is M.b.V.a.f.m.g.... Sound can travel through solids,

and gases but not through a V.ACM.M.M.....

d wd v.e.s...... consist of .s.o.l......... (where the particles are close together)

(where the particles are further apart).

Sa bar chart showing the speed of sound in different **Tals**, A, B, and C. One is a solid, one is a liquid, and

s a gas.

The the letter of the material that is a solid.

s material A a solid, a liquid, or a gas?9..9..9...

much faster, approximately, does sound travel in that in gases? Circle one of the answers below.

5000 -(S) H 2000 -3000 -1000 -0 A B C

1000 times faster

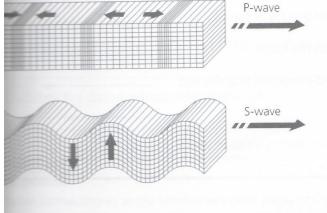
100 times faster

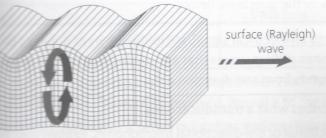
10 times faster

nsion

bere is an earthquake, waves called seismic waves are produced.

particle motion





de which wave is a transverse wave and which is a longitudinal wave. Explain your answer.