Sound

3.1 Sound waves and how they travel

Use the words from the box to complete the sentences below.

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

air compressions waves solids vibrating rarefactions moving vacuum radio

- Here is a bar chart showing the speed of sound in different materials, A, B, and C. One is a solid, one is a liquid, and one is a gas.
 - a. Give the letter of the material that is a solid.
 - b. Is material A a solid, a liquid, or a gas?
 - How much faster, approximately, does sound travel in solids than in gases? Circle one of the answers below.

1000 times faster

100 times faster

10 times faster

