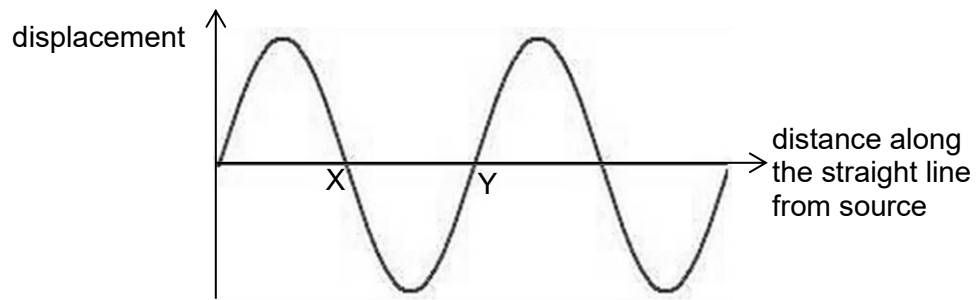


- 16** As a sound wave travels from left to right and passes through a region of space, the displacement of the air molecules along a straight line is plotted as shown below. (Take rightward to be positive).



Which of the following correctly describes the sound wave at locations X and Y?

	X	Y
A	compression	compression
B	compression	rarefaction
C	rarefaction	compression
D	rarefaction	rarefaction