

20 Stationary waves may be set up in air columns in pipes. The pipes may be open at one or both ends.

Which combination of nodes and antinodes **cannot** occur in any pipe?

	node	antinode
A	1	1
B	1	2
C	2	1
D	2	3

21 Calculate the frequency of sound with 1.2 mm wavelength. Assume 2 and 3. List of formulae can be used.