

- 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 diffraction of sound. A 1.0 m wave is incident on two slits 0.5 m apart. The first minimum occurs at