

Stationary waves in an open pipe

Questions

1. What is an open pipe?
2. What is formed always at the ends of an open pipe?
3. Is a node always formed at the midpoint of an open pipe?
4. Is the pressure node same as displacement node in the pipe?
5. Are both odd and even harmonics formed in an open pipe?
6. What happens to the wavelength with increases mode of vibration?
7. What happens to the velocity with increasing mode of vibration?

Note :

Questions given above may be visualized and solved using the simulations. However, obtaining a mathematical solution is to be always treated as the final answer and obtaining such a mathematical solution implies a deeper understanding and application of the concept.

Learn Explore Enjoy

SIGMA Physics resource Centre