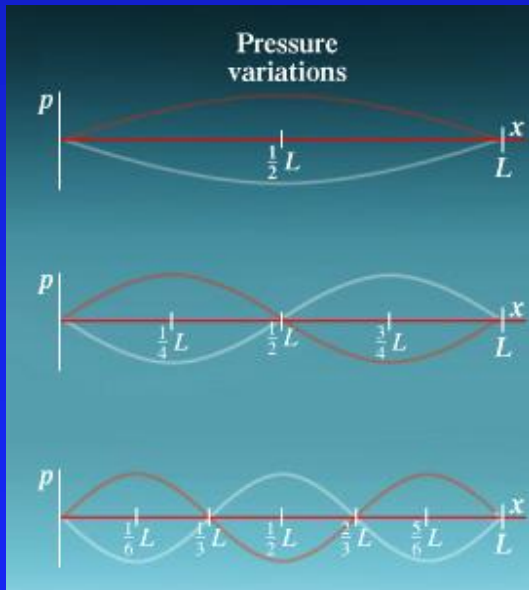# Standing Waves in Pipes

Nodes still! Nodes in pipes!

Open at both ends:

Pressure Node at end

$\lambda = 2\,L\,/\,n$ n=1,2,3..

Open at one end:

Pressure AntiNode at closed end : $\lambda = 4\,L\,/\,n$

n odd