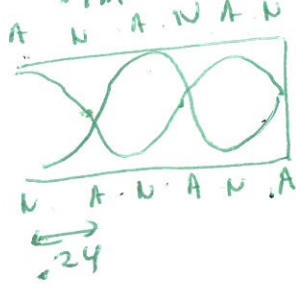
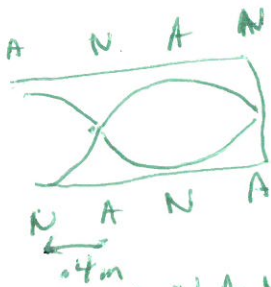
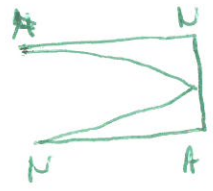
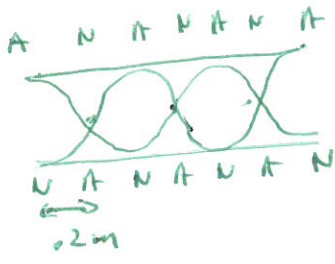
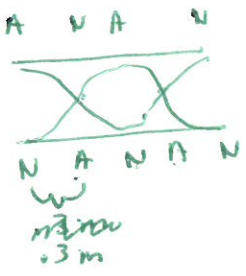
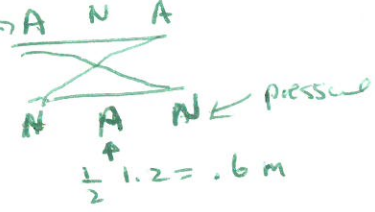


Class 8 - 16 - 25, 35, 41, chocolate

Note  $N \rightarrow A$   
displacement  $\leftarrow$  pressure

16

open-open



35



Constructive  $\Rightarrow \Delta r = \lambda = 2 \text{ m} \Rightarrow F = 172 \text{ Hz}$   
destructive  $\Rightarrow \Delta r = \frac{\lambda}{2} \Rightarrow \lambda = 4 \text{ m} \Rightarrow 86 \text{ Hz}$

41  $\Delta F$  increase  $\Rightarrow$  hear frequencies higher 443, 1005 Hz

chocolate: antinode sep = 7.1 cm  $\lambda = 14.2 \text{ cm}$   
 $F = 2450 \times 10^6 \text{ Hz}$   $C = 3.48 \times 10^8 \text{ m/s}$