ALPHA - CAMBRIDGE
International School

Gr/Div.	Sub.	Sr.No.
CP3 / A	physics	

Name : .....

Date : .....

Topic: 6.1 Loudness and pitch of sound

I. Choose words from the box and fill in the blanks. 5X1=5

1.Hertz	2.Vibrations	3.Frequency	4.Amplitude
5.High	6.Low	7. Oscillation	

1. _____ is the unit of frequency.

2. Sound is caused by ----------.

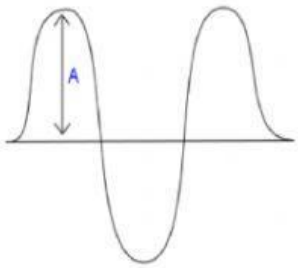
3. The number of vibrations per second is _____

4. _____determines the pitch of a sound wave.

5. If a sound has high pitch then it also has _____ frequency.

II. Choose the correct option. 4X1=4

6. If the distance represented by the letter A (the amplitude) were increased, will it affect the loudness of the sound?



a. Yes

b. No

c. Can't tell.

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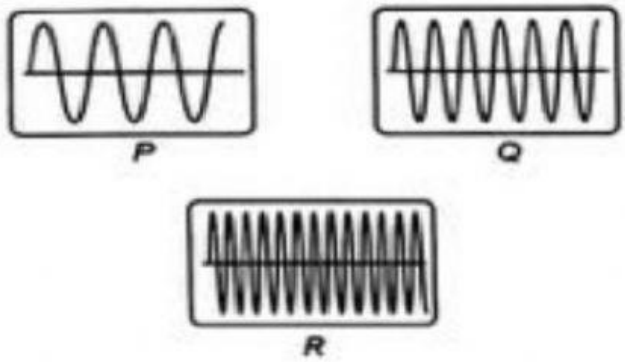
d. None.

7. Diagram shows three types of sound waves generated from speaker. Which of the following statements is true?



a) P has a higher pitch than Q

b) Q has a higher pitch than R

c) R has the highest pitch

d) P, Q and R have the same pitch

8. A longer string makes a _____ pitch than a short string.

a) Louder

b) Softer

c) Lower

d) higher

9. If a sound has a high frequency then it also has a _____

a) High pitch

b) Low pitch

c) High volume

d) Low volume

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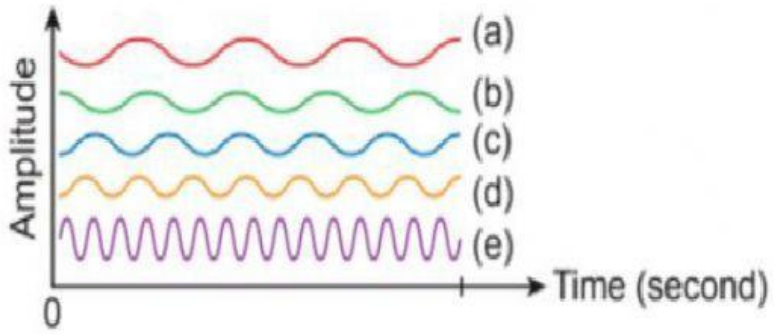
III. Look at the wave forms and answer the following questions. 3X1=3



10. Which wave has the highest frequency?

i) a

ii) b

iii) c

iv) d

v) e

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