

Quiz Summary

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Ⓜ Average Score

55%

⤴ High Score

95%

⤵ Low Score

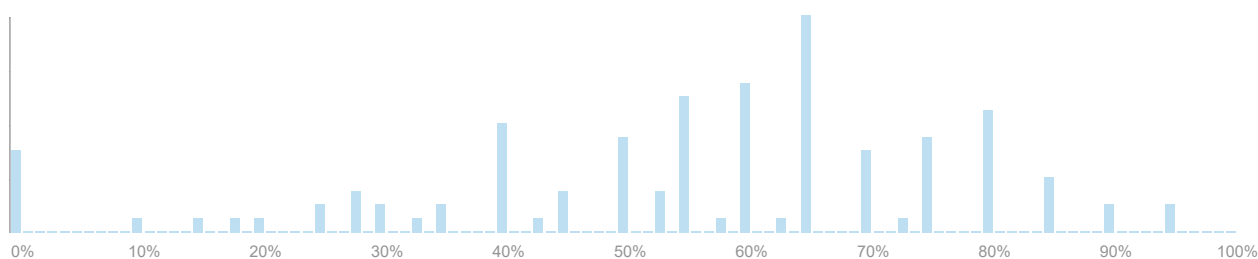
0%

⊖ Standard Deviation

2.21

🕒 Average Time

17:03



Question Breakdown

Attempts: 47 out of 47

What of the following waves belong mechanical wave?

Remarks: you can choose more than one answers.

water wave	41 respondents	87 %	<div> <div>34%</div> <div>answered correctly</div> </div>
radio wave	21 respondents	45 %	
ultraviolet wave	7 respondents	15 %	
ultrasonic wave	34 respondents	72 %	
No Answer	2 respondents	4 %	

Attempts: 54 out of 54

What of the following tools can generate standing wave?

Remarks: you can choose more than one answers.

flute	24 respondents	44 %	✓	13% answered correctly
light torch	3 respondents	6 %		
tuning fork	29 respondents	54 %		
violin	52 respondents	96 %	✓	
No Answer	1 respondents	2 %		

Attempts: 53 out of 53

What of the following waves are not periodic wave?

Remarks: you can choose more than one answers.

earthquake	29 respondents	55 %	✓	40% answered correctly
explosion	43 respondents	81 %	✓	
light wave	9 respondents	17 %		
sound wave generated from flute	15 respondents	28 %		
No Answer	5 respondents	9 %		

Attempts: 32 out of 35

Compare the velocity of sound among the following three types of materials.

Assuming that the temperature of the three types of materials are the same.

cooking oil air iron

slowest	1 respondents	3 %	✓
middle	31 respondents	89 %	
fastest		0 %	

No Answer 3 respondents 9 %

89% answered correctly

Attempts: 50 out of 50

What of the following waves belongs to longitudinal wave?

Remarks: you can choose more than one answers.

water wave	10 respondents	20 %	
sound generated from a speaker	45 respondents	90 %	✓
sound generated from a drum	44 respondents	88 %	✓
sun ray	7 respondents	14 %	
No Answer	7 respondents	14 %	

70% answered correctly

Attempts: 45 out of 45

Which of the following statement describing human ear are TRUE in general?

Remarks: You can choose more than one answer.

23 respondents	51 %	16% answered correctly
9 respondents	20 %	
42 respondents	93 %	✓
13 respondents	29 %	
No Answer 5 respondents	11 %	

Attempts: 97 out of 112

Calculate the intensity of a wave in decibels (dB) if the power transferred is [P] W and the area through which the wave is transferred is [A] square meters.

Please give your answer to 1 decimal place, no need to type in unit.

Remarks: please type the key working for calculating the answer in the following Question 7 - working.

Ungraded answers 112 respondents 100 %



Attempts: 93 out of 112

Please type in the working for Question 7 <here>

Answers which scored in the top 27% 62 respondents 55 %

Answers which scored in the middle 46% 50 respondents 45 %

[View in SpeedGrader](#)

https://canvas.cityu.edu.hk/courses/37008/gradebook/speed_grader/assignment_id=138505

Attempts: 86 out of 112

A hiker on a mountain heard a thunder sound $t = [t]$ s after he saw lightning among distance clouds. Assuming the speed of sound is $v = [v]$ m/s. Estimate the distance d (m) between the hiker and the lightning clouds.

Note:

- 1) Round your answer to integer in unit m.
- 2) Just type in the figure, no unit is needed

Remarks: please type in the key working for calculating the answer in the following Question 8 - working.

Ungraded answers 112 respondents 100 %



Attempts: 81 out of 112

Please type in the working for Question 8 <here>

Answers which scored in the top 27%	73 respondents	65 %
Answers which scored in the middle 46%	39 respondents	35 %

[View in SpeedGrader](#)
(https://canvas.cityu.edu.hk/courses/37008/gradebook/speed_grader/assignment_id=138505)

Attempts: 50 out of 50

What of the following waves are, in general, periodic wave?

Remarks: you can choose more than one answers.

explosion	4 respondents	8 %	28% answered correctly
	36 respondents	72 %	
earthquake	27 respondents	54 %	✓
light wave	35 respondents	70 %	
No Answer	4 respondents	8 %	

Attempts: 36 out of 37

Compare the velocity of sound among the following three types of materials.

Assuming that the temperature of the three types of materials are the same.

oxygen gold petrol

slowest	31 respondents	84 %	✓ 84% answered correctly
fastest	4 respondents	11 %	
middle	1 respondents	3 %	
No Answer	1 respondents	3 %	

Attempts: 52 out of 52

What of the following waves belongs to transverse wave?

Remarks: you can choose more than one answers.

sound generated from a speaker	12 respondents	23 %	
sun ray	39 respondents	75 %	✓
sound generated from a drum	16 respondents	31 %	
water wave	38 respondents	73 %	✓
No Answer	3 respondents	6 %	

44%
answered
correctly

Attempts: 56 out of 56

Which of the following statement describing human ear are FALSE in general?

Remarks: You can choose more than one answer.

	38 respondents	68 %	✓14% answered correctly
	21 respondents	38 %	
	8 respondents	14 %	
	21 respondents	38 %	✓
No Answer	6 respondents	11 %	

Attempts: 58 out of 58

What of the following waves NOT belong mechanical wave?

Remarks: you can choose more than one answers.

ultrasonic wave	12 respondents	21 %
water wave	8 respondents	14 %
ultraviolet wave	46 respondents	79 %

radio wave	33 respondents	57 %
No Answer	5 respondents	9 %

✓
45%
answered
correctly

Attempts: 51 out of 51

What of the following tools can generate standing wave?

Remarks: you can choose more than one answers.

loud speaker	24 respondents	47 %
light torch	4 respondents	8 %
string	50 respondents	98 %
drum	28 respondents	55 %
No Answer	6 respondents	12 %

20%
answered
correctly

✓

✓

Attempts: 35 out of 40

Compare the velocity of sound among the following three types of materials.

Assuming that the temperature of the three types of materials are the same.

alcohol nitrogen brass

middle	33 respondents	83 %
fastest		0 %
slowest	2 respondents	5 %
No Answer	5 respondents	13 %

✓
83%
answered
correctly