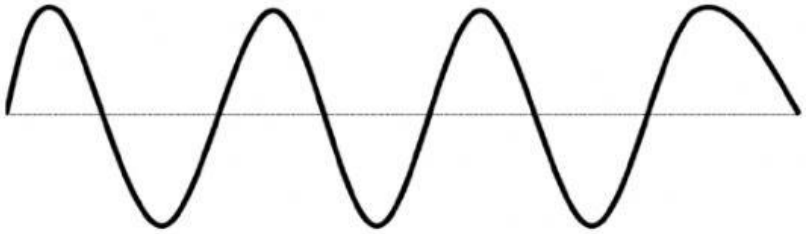
Mrs. Langworthy 8th INTG Science, NLJH

Retest Assignment for Waves and Energy assessment

Refer to the following wave to answer the questions.



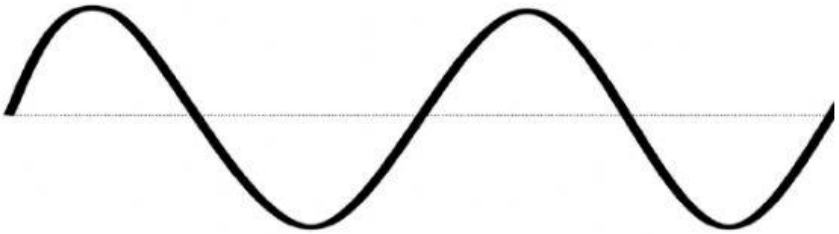
Which of the following waves has:

1-a frequency twice that of the initial wave?

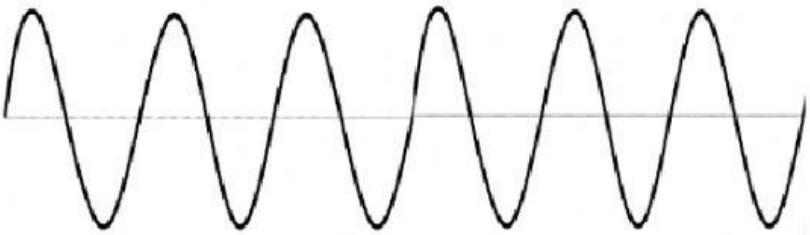
2-a wavelength twice that of the initial wave?

3-an amplitude half that of the initial wave?

A



B



LIVEWORKSHEETS

C



Which of the waves above has:

4-the lowest pitch?

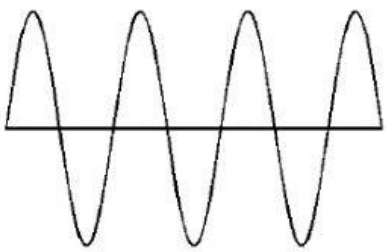
5- the highest pitch?

6-the lowest volume?

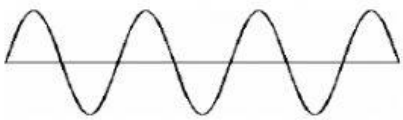
Scenario- two people are attending a baseball game. One person is sitting behind home plate and the other is sitting behind the outfield fence.

7-Which sound wave best represents the sound the person behind home plate will hear when the batter hits the ball?

D



E



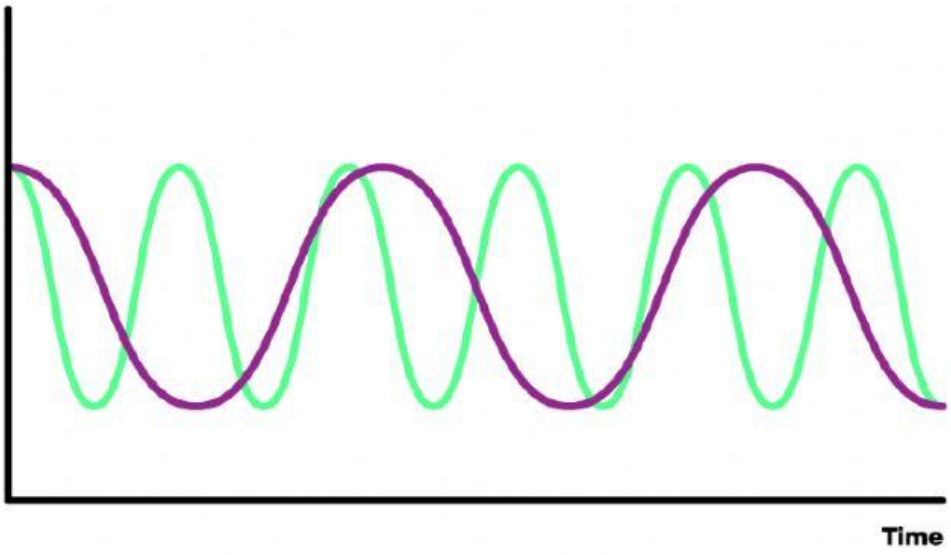
LIVEWORKSHEETS

8-Will the pitch of the sound from the bat hitting the ball be different or similar for both people?

Refer to the green/purple sound waves graphed below.

9-Which wave will have a lower pitch?

10-Which wave will have a higher pitch?



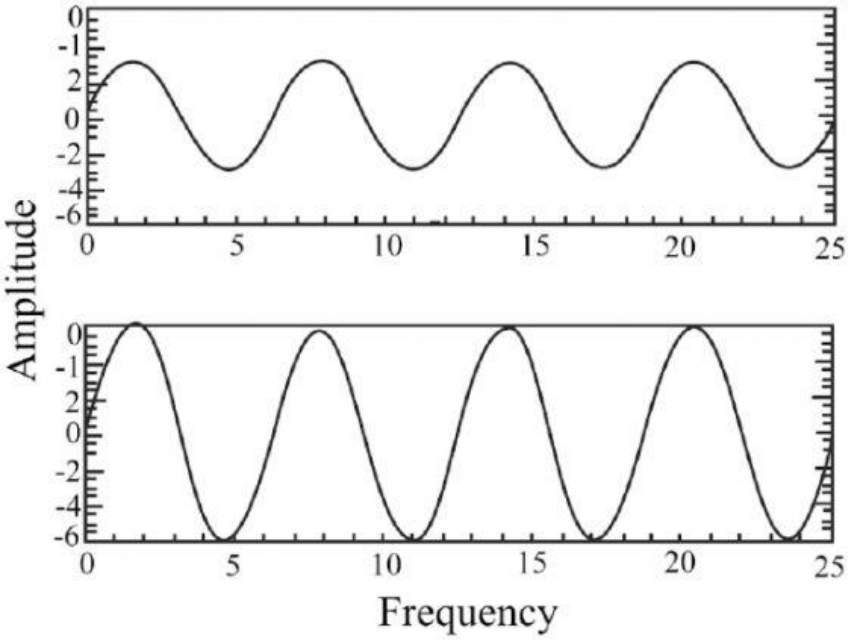
Refer to the Amplitude/Frequency graph below.

LIVEWORKSHEETS

11- Which of the following sound waves will have a higher volume?

12- A lower volume?

F

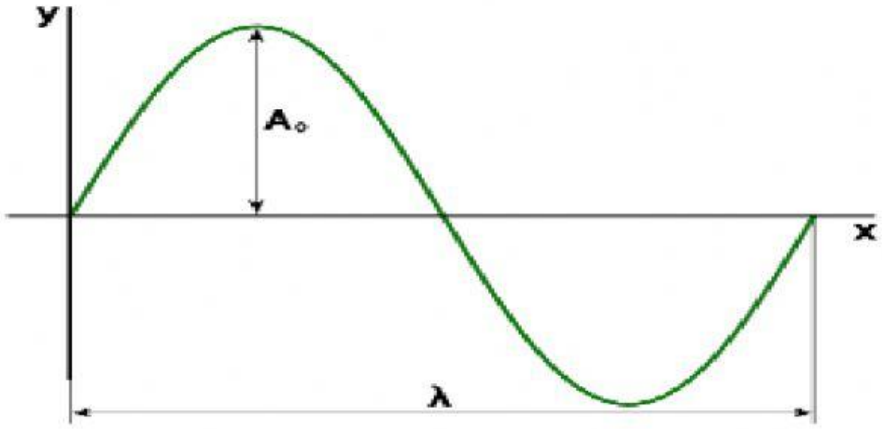


G

Label the parts of the wave by dragging the name to the correct box.

Crest Trough Wavelength Amplitude

LIVEWORKSHEETS



17- When you increase the amplitude of a wave, the _____ also increases.

18- When you increase the frequency of a wave, the _____ also increases.

19- When you increase the wavelength of a wave, the frequency and pitch go _____.

20- Sound waves travel fastest through what medium?

LIVEWORKSHEETS