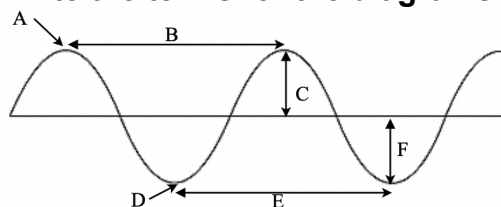


1. Write the terms for the diagrams on the lines provided

A: _____ D: _____
 B: _____ E: _____
 C: _____ F: _____

Frequency for #2-5 use WAVE A,B,C

2. How many wavelengths long is

Wave A: _____ Wave B: _____ Wave C: _____

3. Which wave has the highest frequency? _____ lowest frequency? _____

4. How can you tell by looking at it if a wave has high or low frequency? _____

5. There are three members of a family. The dad has a deep, low voice. The mom has a medium-high voice, and the baby has the highest voice. The higher the voice, the greater the frequency.

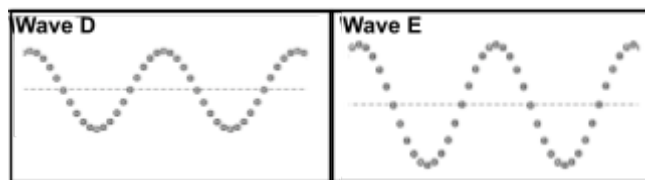
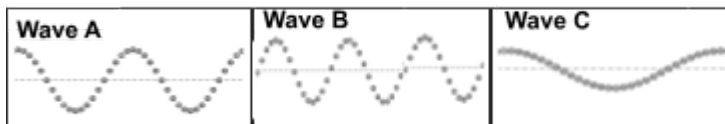
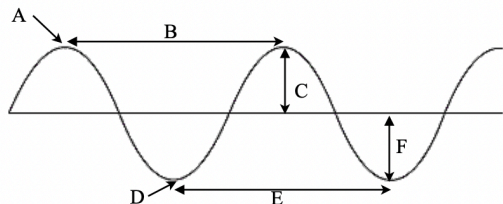
Which wave belongs to the dad's voice? _____ mom's? _____ baby's? _____

Amplitude for #6-8 use WAVE D or E

6. Which wave has the higher amplitude? _____

7. Which wave has the lower amplitude? _____

8. Draw a line on each wave that would measure the amplitude

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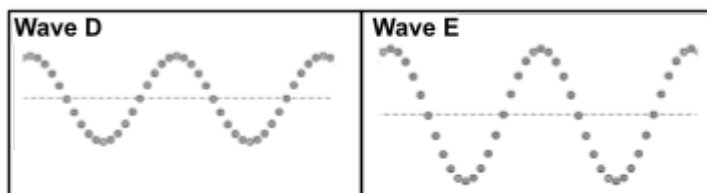
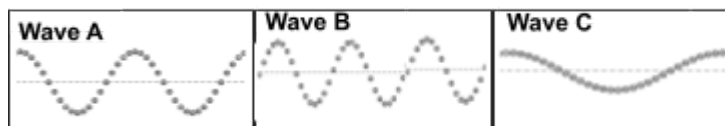
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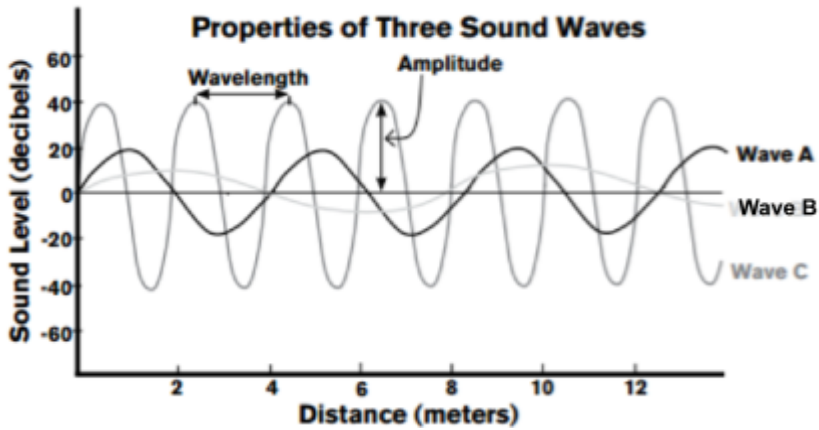
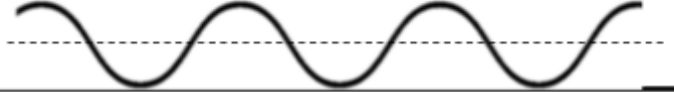
9.. Draw a wave with a wavelength of four units



10. Draw a wave with a longer wavelength, same amplitude.



11. Draw a wave with a smaller amplitude, same wavelength.



Use the graph to answer:

12. a. Which sound wave would be the loudest? ___ Why? _____
 b. Which wave has the longest wavelength? ___
 What is its approximate wavelength? ___m
 c. What is the amplitude of Wave A? ___
 Wave B? ___ Wave C? ___
 d. Which wave has the highest frequency? ___
 Lowest frequency? ___

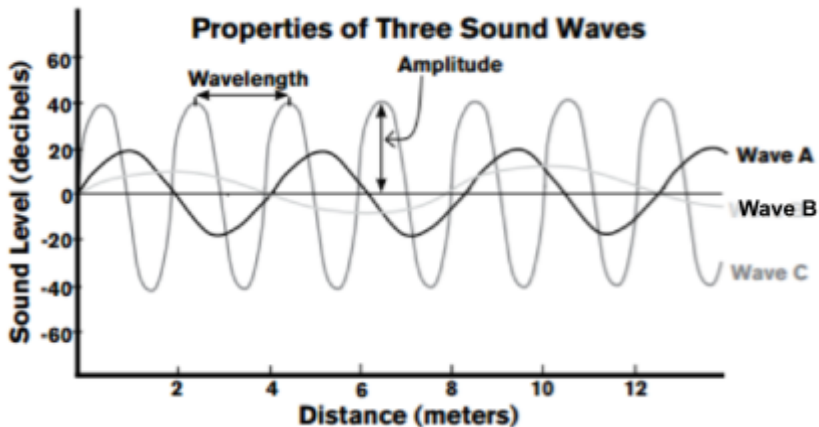
9. Draw a wave with a wavelength of four units



10. Draw a wave with a longer wavelength, same amplitude.

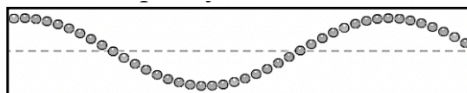


11. Draw a wave with a smaller amplitude, same wavelength.



Use the graph to answer:

12. a. Which sound wave would be the loudest? ___ Why? _____
 b. Which wave has the longest wavelength? ___
 What is its approximate wavelength? ___m
 c. What is the amplitude of Wave A? ___
 Wave B? ___ Wave C? ___
 d. Which wave has the highest frequency? ___
 Lowest frequency? ___



Standard Wave

<p>A</p> <p>_____ Amplitude; _____ Frequency</p>	<p>B</p> <p>_____ Amplitude; _____ Frequency</p>
<p>C</p> <p>_____ Amplitude; _____ Frequency</p>	<p>D</p> <p>_____ Amplitude; _____ Frequency</p>