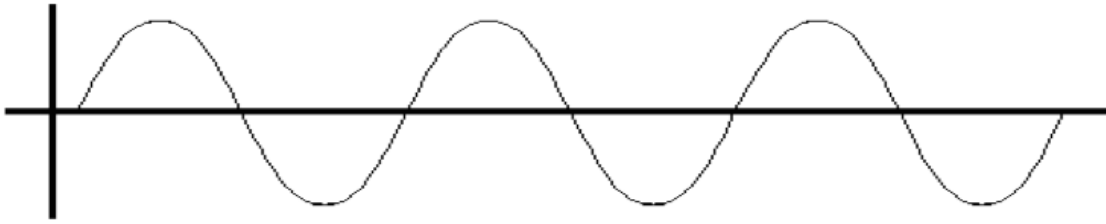


Name: _____

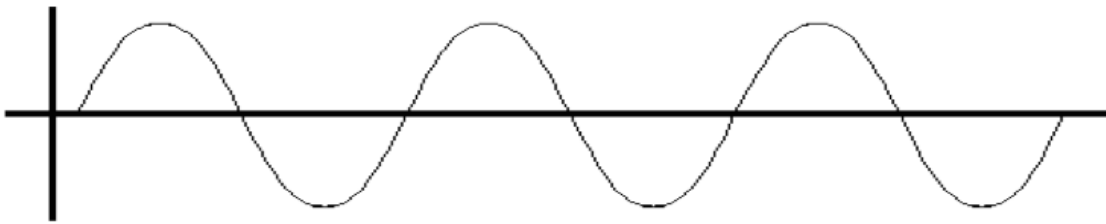
The Anatomy of a Wave

Directions: Use the information you have learned in class to complete the following tasks.

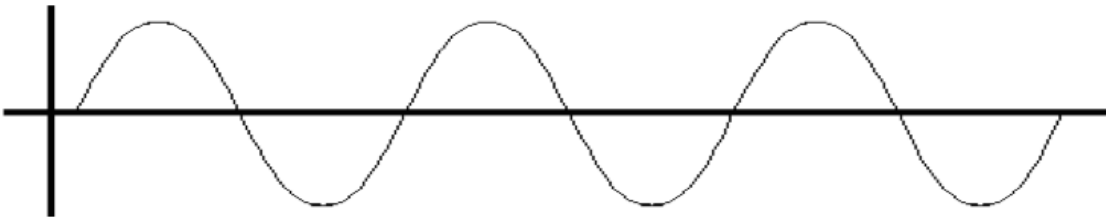
1. Label all of the crests & troughs of the wave.



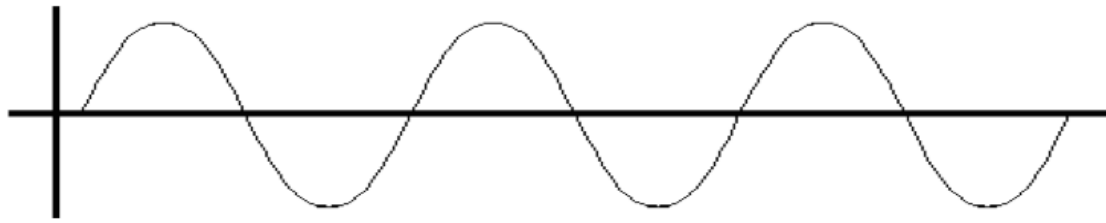
2. Draw on top of the existing wave a new wave that has a larger amplitude.



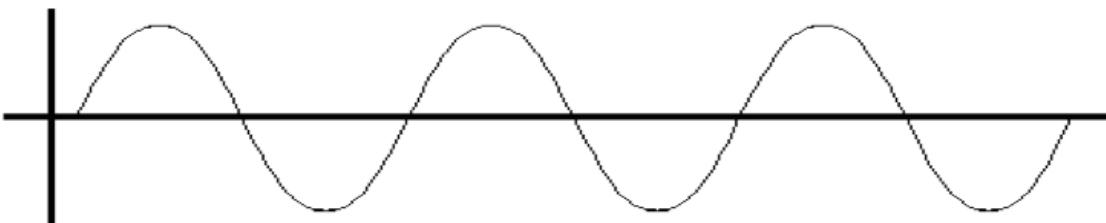
3. Draw on top of the existing wave a new wave that has a smaller amplitude.



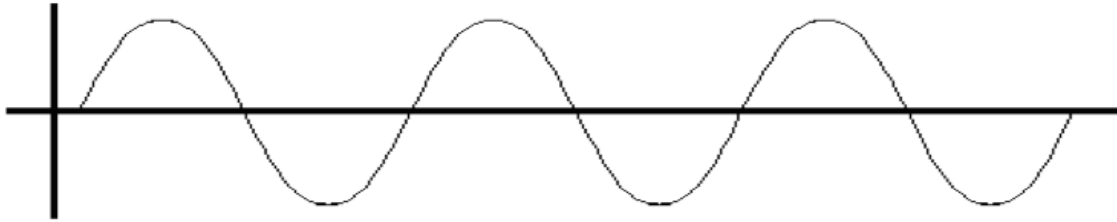
4. Draw on top of the existing wave a new wave that has a larger wavelength.



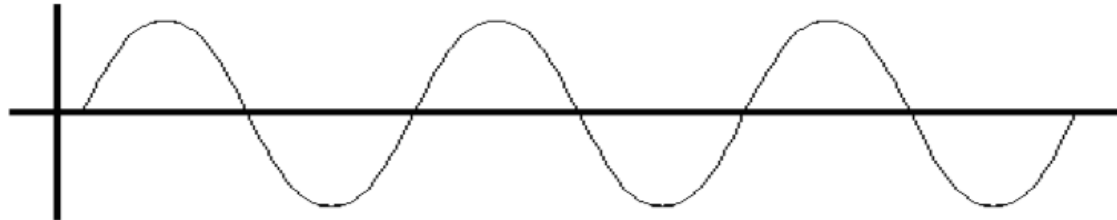
5. Draw on top of the existing wave a new wave that has a smaller wavelength.



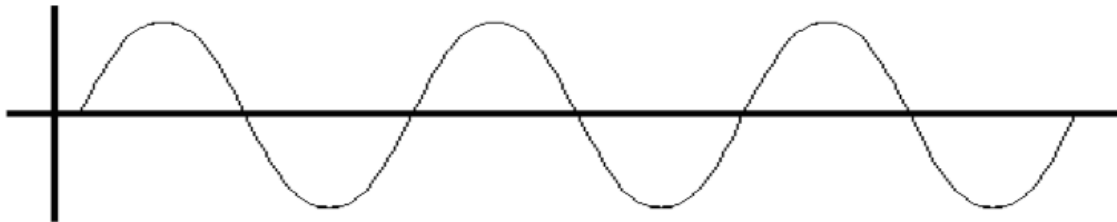
6. Draw on top of the existing wave a new wave that has a larger amplitude & smaller wavelength.



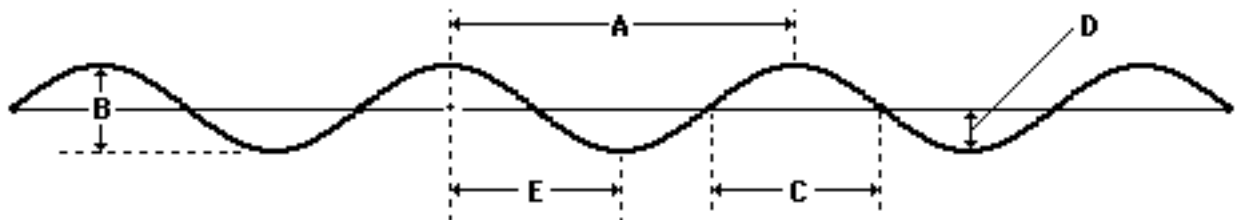
7. Draw on top of the existing wave a new wave that has a larger amplitude & larger wavelength.



8. Draw on top of the existing wave a new wave that has a smaller amplitude & larger wavelength.



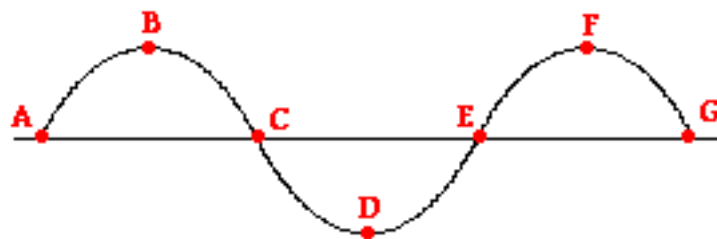
Use the diagram below to answer questions 9-10.



9. The wavelength of the wave in the diagram above is given by letter _____.

10. The amplitude of the wave in the diagram above is given by letter _____.

Use the diagram below to answer question 11.



11. Choose the set of letters that represents one full wavelength.

a. A to C

b. B to D

c. A to G

d. C to G