

Note Taking Guide - Program 1102 - Part 2

Reflection

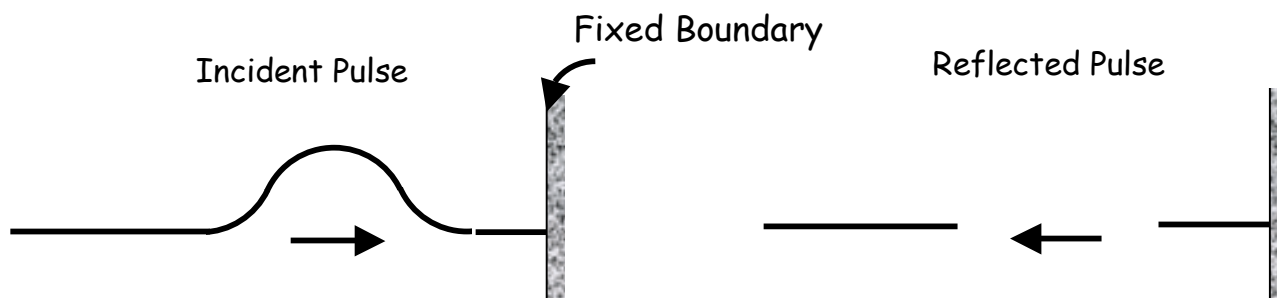
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- ex:

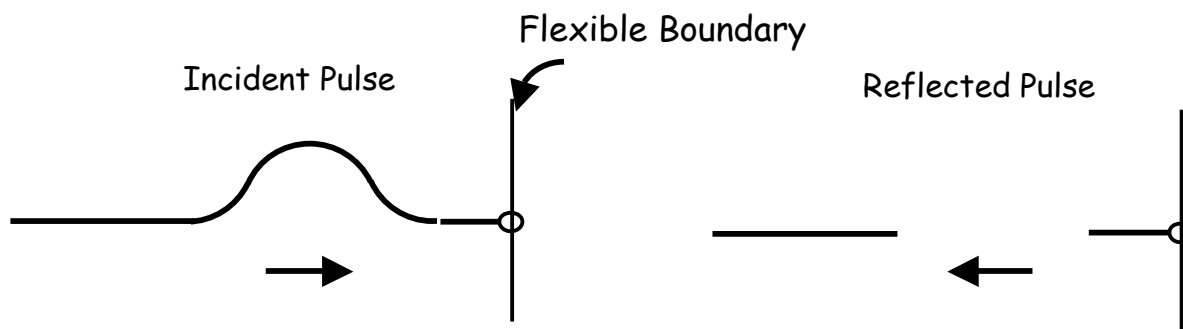
incident waves -

When a wave goes into another medium that is very similar to the old, (most, little) of the energy will be transmitted and (most, little) will be reflected.

When the new medium is very different, little will be _____ and most will be _____.



Waves reflected off a fixed boundary are _____. (Crests are reflected as _____, and troughs are reflected as _____.)

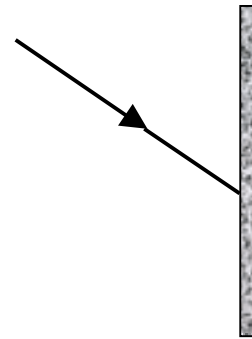


Waves reflected off a flexible boundary are _____. (Crests are reflected as _____, and troughs are reflected as _____.)

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Law of Reflection :

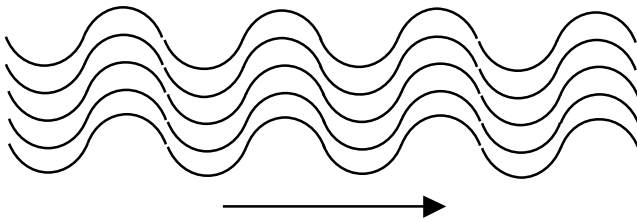
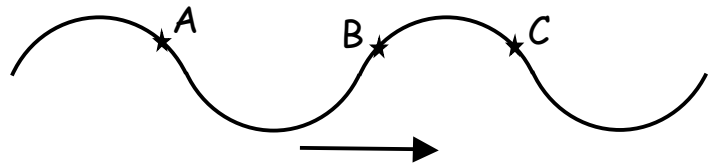
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wave front -

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-

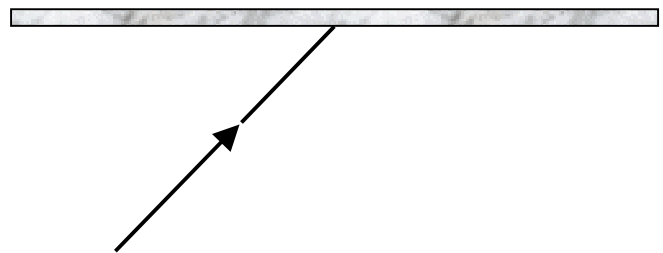
Which of these two particles are in phase?



Draw dotted lines to represent wave fronts. Label the λ .

Wave fronts are always _____ to the direction _____.

Draw the reflected wave, labeling angles of incidence and reflection. With dotted lines, draw incident & reflected wave fronts.



Problem Set #3: (Work on back.)