

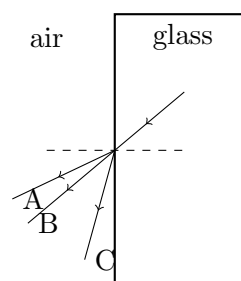
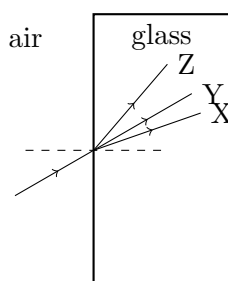
Refraction I

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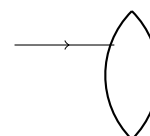
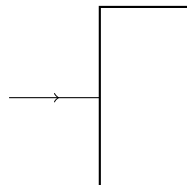
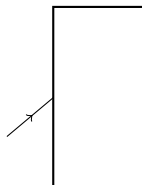
1. Copy out and complete:

- A ray of light travelling from air to glass is ... (or bent) ... the normal.
- A ray of light travelling from glass to air is ... (or bent) ... the normal.
- The speed of light in glass is ... than the speed of light in air.
- The change of speed as a wave enters a different medium occurs at the ... of the two media.

- In diagram 1, which path does the ray follow (X, Y or Z)
 - In diagram 2, which path does the ray follow (A, B or C)



3. Copy and complete the following diagrams:



4. Explain the idea of refraction using the diagram below, using the idea of wavefronts, and use the following words.

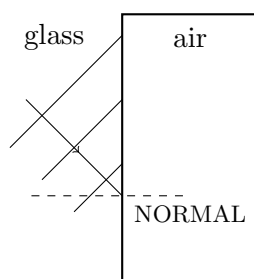
angle to normal

wavefronts

slows down

wavelength

direction



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