

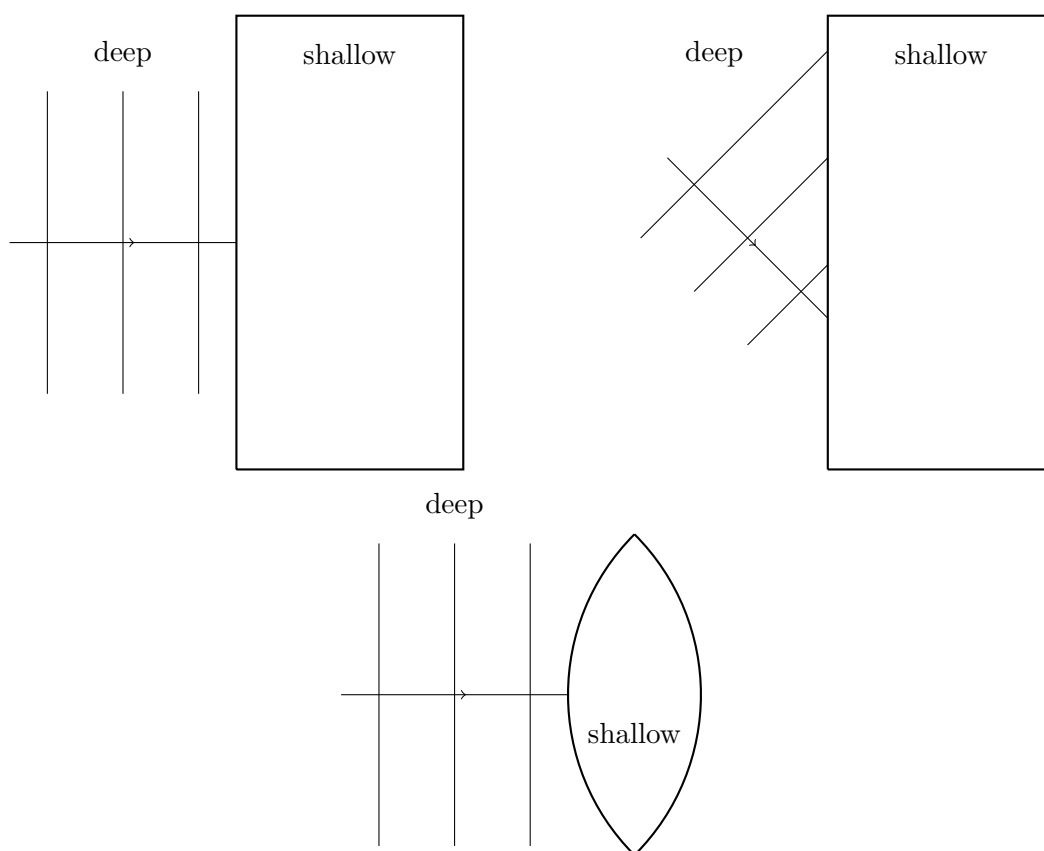
Refraction II

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1. Copy out and complete:

- (a) When a light wave passes into glass from air, the ... remains constant, but the ... and ... decrease.
- (b) When white light passes through a prism, the light separates into ... colours, called a The name given to this effect is

2. On the sheet, complete the pattern of the water waves as they pass into shallower water.



- 3. A sound wave has a frequency of 170 Hz, and a wavelength of 2 m. What is the speed of sound?
- 4. Some water waves are travelling at 10 m/s, with a wavelength of 5 m.
 - (a) What is their frequency?
 - (b) They enter shallower water, where they slow down to 5 m/s. What is their...
 - i. ...frequency?
 - ii. ...wavelength?



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