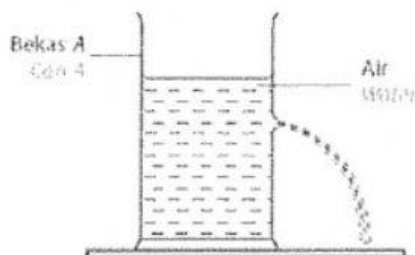
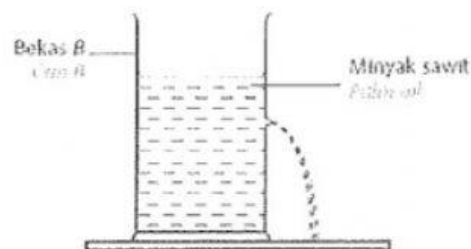


- 8.1 Rajah 8.1.1 dan Rajah 8.1.2 menunjukkan dua bekas serupa yang mempunyai satu lubang masing-masing diisi dengan air dan minyak. Air dan minyak terpancut keluar dari lubang disebabkan perbezaan suatu kuantiti fizik.
Diagram 8.1.1 and Diagram 8.1.2 show two similar containers having one hole each filled with water and oil. Water and oil spurted out from the hole due to the difference in a physical quantity.



Rajah 8.1.1
 Diagram 8.1.1



Rajah 8.1.2
 Diagram 8.1.2

- (a) Nyatakan kuantiti fizik yang menyebabkan perbezaan jarak pancutan cecair dalam rajah 8.1.1 dan 8.1.2?
State the physical quantity that causes the difference in distance of the liquid spurted out in Diagrams 8.1.1 and 8.1.2?

[1 markah]

- (b) Dengan menggunakan Rajah 8.1.1 dan Rajah 8.2.2 bandingkan,
Using Diagram 8.1.1 and Diagram 8.2.2 compare,

- (i) kedalaman cecair dari lubang.
the depth of the liquid from the hole.

[1 markah]

- (ii) ketumpatan cecair.
density of the liquid.

[1 markah]

- (iii) hubungkait jarak pancutan cecair dengan ketumpatan cecair.
relate the distance of the liquid spurted out to the density of the liquid.

[1 markah]

- (c) Tekanan suatu cecair diberikan oleh rumus
The pressure of a liquid is given by the formula

Terbitkan rumus di atas.
Derive the formula above.