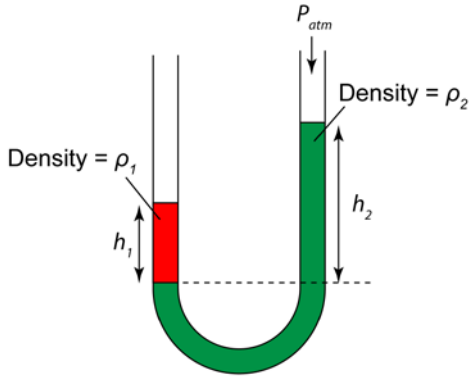




U-Tube

$$h_1\rho_1 = h_2\rho_2$$



Example 1

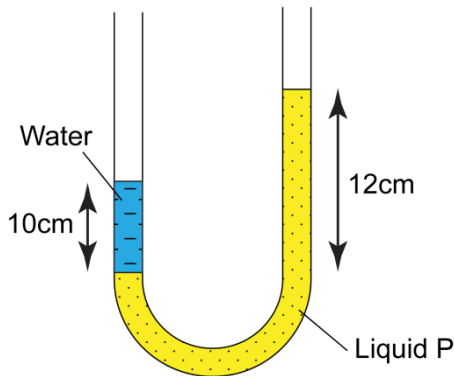
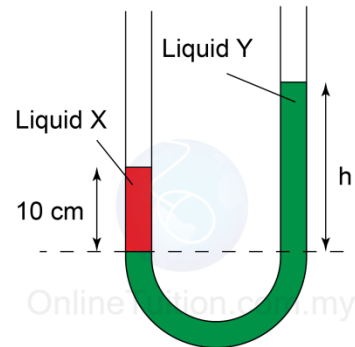


Figure above shows a U-tube filled with water and liquid P. Liquid P is insoluble in water. Given that the density of water is 1000kg/m^3 , find the density of liquid P.

[833 kg/m^3]

[\[Step by step solution\]](#)

Example 2



The diagram shows a U-tube filled with two types of liquid, X and Y which are not mixable. If the density of liquid X and liquid Y are 1200 kg/m^3 and 800 kg/m^3 respectively, find the value of h.

[15 cm]

[\[Step by step solution\]](#)