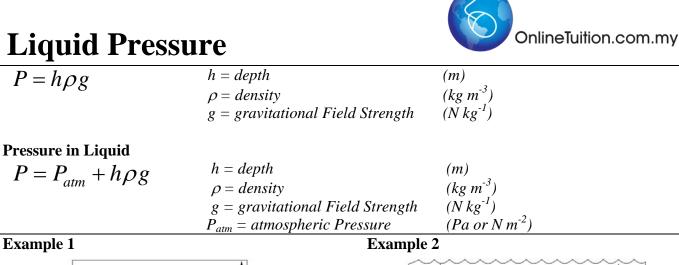
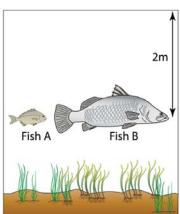
Liquid Pressure





The diagram shows 2 fishes in water. The density of the water is 1025 kg/m³. The surface area of fish A is 300cm^2 and the surface area of fish B is 2000cm². Find

a. the pressure exerted by the water on fish A.

b. the pressure exerted by the water on fish B.

c. the force exerted by the water on fish A.

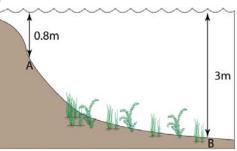


Figure to the left shows the cross section of a sea near a seaside. Find the difference of the pressure between point A and point B. [Density of seawater = 1050kg/m^3]

Example 3

Find the pressure at a depth of 20 m in water when the atmospheric pressure is 100000 Pa. The density of water is 1000 kg/m^3 .

d. the force exerted by the water on fish B.

[a. 20500Pa; b. 20500Pa; c. 615N; d. 4100N] [Step by step solution] **Free Online Tuition**

[300,000Pa] [Step by step solution]

[23,100 Pa]

[Step by step solution]