

Questions ?

Unit 1 | Lesson 9

Answered

Effect of Water Pressure on Organisms

Interactive test



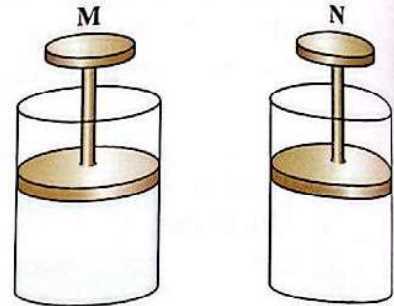
First

Multiple Choice Questions

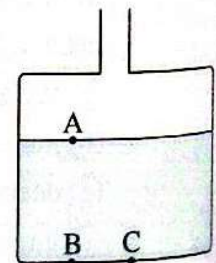
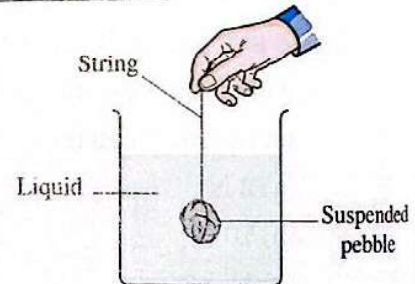
Questions signed by * are answered in detail.

The pressure at a point inside a static liquid

- 1 The opposite figure represents two movable pistons, piston M enclosing an amount of liquid and piston N enclosing an amount of gas, so when putting a mass of 5 kg on each of the two pistons, which piston will move downward?



- (a) Piston M only. (b) Piston N only.
(c) Both pistons. (d) Both pistons don't move.
- 2 Any point inside a liquid is affected by a pressure that equals of the liquid column above a unit area surrounding this point.
- (a) the density (b) the volume (c) the weight (d) the mass
- 3 Which of the following doesn't represent a measuring unit of pressure?
- (a) N/m^2 (b) atm (c) J (d) Pa
- 4 The opposite figure represents a pebble suspended to a string and submerged under a liquid surface, which of the following actions will cause an increase in the pressure on the pebble?
- (a) Polishing the surface of the pebble.
(b) Raising the pebble slightly upward.
(c) Dropping the pebble in the bottom of the beaker.
(d) Submerging the pebble to the same depth in a liquid of lower density.
- 5 The opposite figure shows three points A, B and C in a glass tank that contains an amount of water which is exposed to atmospheric pressure, so the correct order of pressure values at the three points is



(a) $P_A > P_B = P_C$

(b) $P_A > P_B > P_C$

(c) $P_A < P_B < P_C$

(d) $P_A < P_B = P_C$