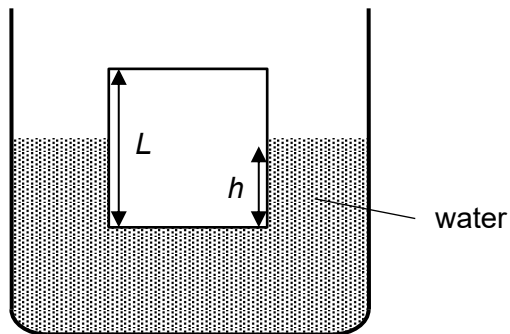


- 5 A cube of density ρ_0 of side L floats in a beaker of water of density ρ_1 . The depth of the cube submerged in water is h .



What is the magnitude of the upthrust on the cube?

A $\rho_0 gh$

B $\rho_1 gh$

C $\rho_0 gL^3$

D $\rho_1 gL^3$