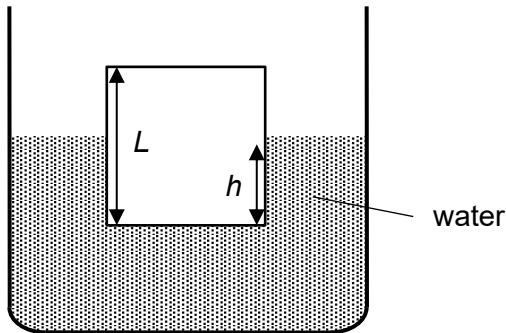


- 5 A cube of density  $\rho_0$  of side  $L$  floats in a beaker of water of density  $\rho_1$ . The depth of the cube submerged in water is  $h$ .



What is the magnitude of the upthrust on the cube?

A  $\rho_0gh$

B  $\rho_1gh$

C  $\rho_0gL^3$

D  $\rho_1gL^3$