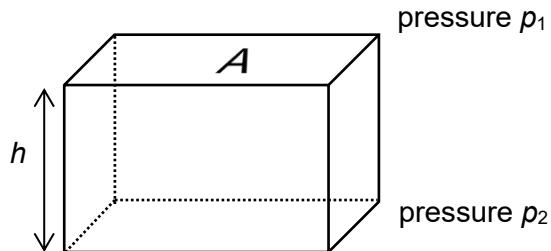


- 6 A solid block of material of density  $\rho$ , height  $h$  and horizontal surface area  $A$  is immersed in a liquid. The pressures of the liquid at the upper and lower surfaces are  $p_1$  and  $p_2$  respectively.



Which of the following is an expression for the upthrust on the block?

- A  $Ah\rho g$
- B  $Ah\rho g + p_1A$
- C  $p_2A$
- D  $p_2A - p_1A$