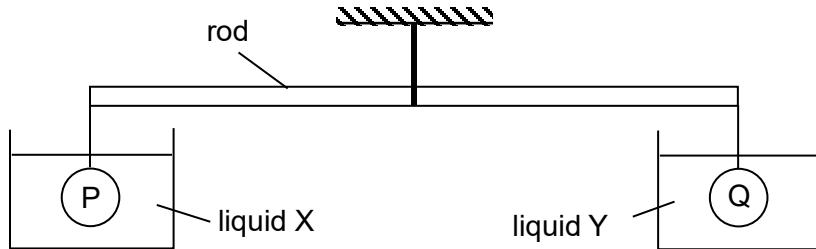


- 5 Two objects P and Q of the same volume are hung at either ends of a light uniform rod. They are fully submerged in liquids X and Y. Liquid X is denser than liquid Y. The rod is held in equilibrium when it is supported at its centre by a string as shown below.



Which of the following statements is correct?

- A P and Q has the same mass.
- B Mass of P is larger than mass of Q.
- C P and Q experience the same magnitudes of upthrust.
- D Upthrust acting on P is smaller than the upthrust acting on Q.