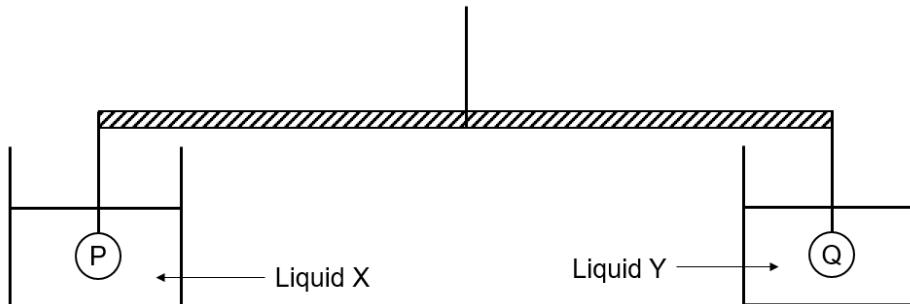


- 6** Two objects P and Q having the same volume are hung at either ends of a light uniform rod and submerged into two different liquids X and Y respectively. The density of X is less than that of Y. This system is balanced when a string is hung right at the centre of the rod as shown.



Which object has a smaller mass?

- A** P
- B** Q
- C** P and Q have the same mass
- D** Not enough information given to deduce