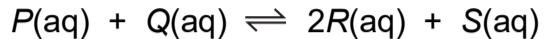


12 An equilibrium can be represented by the equation shown.



In a certain mixture, of volume 1.0 dm^3 , the equilibrium concentration of Q is 10 mol dm^{-3} .

What will be the new equilibrium concentration of Q if 5.0 mol of pure Q is completely dissolved in the mixture?

- A 15 mol dm^{-3}
- B between 10 mol dm^{-3} and 15 mol dm^{-3}
- C 10 mol dm^{-3}
- D between 5.0 mol dm^{-3} and 10 mol dm^{-3}