04	Compounds A and B react together to form an equilibrium mixture containing compounds C and D according to the equation	ng
	$2\mathbf{A} + \mathbf{B} \rightleftharpoons 3\mathbf{C} + \mathbf{D}$	
04.1	A beaker contained 40 cm ³ of a 0.16 mol dm ⁻³ aqueous solution of A . 9.5 × 10 ⁻³ mol of B and 2.8 × 10 ⁻² mol of C were added to the beaker and the was left to reach equilibrium. The equilibrium mixture formed contained 3.9×10^{-3} mol of A .	ne mixture
	Calculate the amounts, in moles, of B , C and D in the equilibrium mixture.	[5 marks]
	Amount of B	mol
	Amount of C	mol
	Amount of D	mol
04.2	Give the expression for the equilibrium constant (K_c) for this equilibrium and	its units. [2 marks]
	K _c	
	Units	







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