

7 Dynamic equilibrium and the equilibrium constant – Part 1 —Answers

Answers

Work through these after you have tried the questions yourself.

2.1 the forward and reverse reactions continue at the same rate, so the concentrations stay constant even though both reactions are still happening.

2.2 $K = \frac{0.80}{0.40} = 2.0$.

2.3 products are strongly favoured (a large K).

2.4 $K = \frac{(0.50)^2}{(0.10)(0.10)} = \frac{0.25}{0.010} = 25$.

2.5 no – the amounts are fixed but usually not equal; only the rates are equal.