

7 Le Chatelier's principle — Part 2 — Answers

Answers

Work through these after you have tried the questions yourself.

2.1 it shifts in the direction that partly cancels (opposes) the change made to it.

2.2 (a) forward (toward C); (b) forward (toward C, to replace what was removed).

2.3 toward the right (the side with fewer gas molecules).

2.4 none – a catalyst does not change the position of the equilibrium, only how fast it is reached.

2.5 the product side has fewer gas molecules (2 versus 4), so higher pressure shifts the equilibrium toward ammonia, increasing its yield.