

12 Separating and purifying – Part 1

—Answers

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Work through these after trying the questions yourself.

12.1 A (volumetric) pipette.

12.2 The point at which the indicator just changes colour, showing the reaction is exactly complete.

12.3 Filtration.

12.4 $R_f = 4 \div 8 = 0.5$.

12.5 It is lowered, and the substance melts over a range instead of at one sharp temperature.

12.6 $R_f(\text{A}) = 3/8 = 0.375$; $R_f(\text{B}) = 6/8 = 0.75$. B travelled further (the larger R_f).