Year 12 Chemistry
## Quick Quiz: Titration Question

(a) $n = C \times V = 0.2500 \times 0.0100 = 0.00250$ mol

(b)

    (i) $n = C \times V = 0.0200 \times 0.01085 = 2.17 \times 10^{-4}$ mol

    (ii) $1.09 \times 10^{-4}$ mol

    (iii) $0.00109$ mol

(c) $0.00250 - 0.00109 = 0.00142$ mol

(d) $0.00142$ mol

(e) $m = n \times M = 0.00142 \times 105.99 = 0.150$ g

(f) $100 \times 0.150 / 3.02 = 4.97$ %w/w