

## Part II C3 Petrology - Practical 20: MORB Global Systematics

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### Numerical Answers

This sheet gives you the numerical answers to the questions in the practical so that you can check your progress as you go. A full worked solution notebook will be available after the practical has finished.

Q3.3: Na<sub>8</sub> = 1.9 wt%

Q4.1: 7.6 km

Q4.2:  $\Delta t_c = \frac{\rho_c - \rho_m}{\rho_m - \rho_w}$

Q4.4 For Tp 1300–1600°C: 3.5–29.7 km

Q4.5 Between 0.44 to -2.97 km for the same Tp range

Q4.6 0.17 to 0.34 for the same Tp range

Q4.7 3.44 to 1.75 wt%