

The oceanic lithosphere: ridges, transforms, trenches and oceanic islands	391
Introduction	391
The oceanic lithosphere	397
The deep structure of mid-ocean ridges	409
The shallow structure of mid-ocean ridges	417
Transform faults	440
Subduction zones	458
Oceanic islands	487
Problems	492
References and bibliography	494
The continental lithosphere	509
Introduction	509
The growth of continents	517
Sedimentary basins and continental margins	557
Continental rift zones	584
The Archaean	595
Problems	601
References and bibliography	602
Appendix 1 Scalars, vectors and differential operators	615
Appendix 2 Theory of elasticity and elastic waves	620
Appendix 3 Geometry of ray paths and inversion of earthquake body-wave time–distance curves	630
Appendix 4 The least-squares method	636
Appendix 5 The error function	638
Appendix 6 Units and symbols	640
Appendix 7 Numerical data	648
Appendix 8 The IASP91 Earth model	650
Appendix 9 The Preliminary Reference Earth Model, isotropic version – PREM	651
Appendix 10 The Modified Mercalli Intensity Scale (abridged version)	654
Glossary	655
Index	666

The colour plates are situated between pages 398 and 399.