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| Nota di contenuto       | Front Cover; THE OCEAN BASINS: THEIR STRUCTURE AND EVOLUTION; Copyright Page; CONTENTS; ABOUT THIS VOLUME; ABOUT THIS SERIES; CHAPTER 1. INTRODUCTION; 1.1 MAPPING THE OCEANS; 1.2 MAPPING THE OCEAN FLOORS; 1.3 UNDERWATER GEOLOGY; 1.4 SUMMARY OF CHAPTER 1; CHAPTER 2. THE SHAPE OF OCEAN BASINS; 2.1 THE MAIN FEATURES OF OCEAN BASINS; 2.2 CONTINENTAL MARGINS; 2.3 OCEAN RIDGES; 2.4 TRANSFORM FAULTS AND FRACTURE ZONES; 2.5 THE DEEP OCEAN FLOOR; 2.6 SATELLITE BATHYMETRY- A CASE STUDY; 2.7 SUMMARY OF CHAPTER 2; CHAPTER 3. THE EVOLUTION OF OCEAN BASINS; 3.1 THE EVOLUTION OF OCEAN BASINS<br>3.2 THE BIRTH OF AN OCEAN 3.3 THE MAJOR OCEAN BASINS; 3.4 |

SUMMARY OF CHAPTER 3; CHAPTER 4. THE STRUCTURE AND FORMATION OF OCEANIC LITHOSPHERE; 4.1 THE FORMATION OF OCEANIC LITHOSPHERE; 4.2 SEGMENTATION OF OCEANIC SPREADING AXES; 4.3 SEAMOUNTS AND VOLCANIC ISLANDS; 4.4 SUMMARY OF CHAPTER 4; CHAPTER 5. HYDROTHERMAL CIRCULATION IN OCEANIC CRUST; 5.1 THE NATURE OF HYDROTHERMAL CIRCULATION; 5.2 CHEMICAL CHANGES DURING HYDROTHERMAL CIRCULATION; 5.3 BLACK SMOKERS- AN EXERCISE IN PREDICTION; 5.4 THE EXTENT OF HYDROTHERMAL ACTIVITY; 5.5 MASS TRANSFER BY HYDROTHERMAL CIRCULATION  
5.6 SUMMARY OF CHAPTER 5 CHAPTER 6. PALAEOCEANOGRAPHY AND SEA-LEVEL CHANGES; 6.1 THE DISTRIBUTION OF SEDIMENTS; 6.2 CHANGES IN SEA-LEVEL; 6.3 SUMMARY OF CHAPTER 6; CHAPTER 7. THE BROADER PICTURE; 7.1 THE GLOBAL CYCLE; 7.2 SOME RATES COMPARED; 7.3 SUMMARY OF CHAPTER 7; APPENDIX: THE STRATIGRAPHIC COLUMN; SUGGESTED FURTHER READING; ANSWERS AND COMMENTS TO QUESTIONS; ACKNOWLEDGEMENTS; INDEX

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Sommario/riassunto

This is an invaluable textbook, prepared by the Open University team and designed so that it can be read on its own or as part of the OU course. This second edition has been fully revised and updated including new colour illustrations increasing the striking spread of full colour diagrams throughout the book. The clarity of the text has been improved, providing comprehensive coverage of the evolution of ocean basins and their structure in a clear, concise manner aimed specifically at the student market. In this second edition the technological advances in fields as diverse as:- deep

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