## **Great Science Adventures**

## Discovering Earth's Landforms and Surface Features

## **Table of Contents**

|     | Introduction   | i   |
|-----|--|-----|
|     | How to Use This Program  | iii |
| 1.  | Where is Earth in space?                                       | 8   |
| 2.  | What are the physical features of Earth?                       | 10  |
| 3.  | What is the lithosphere?                                       | 12  |
| 4.  | What are faults and folds in the lithosphere?                  | 14  |
| 5.  | What are earthquakes?  | 16  |
| 6.  | How are mountains formed?                                      | 18  |
| 7.  | What is a volcano?   | 20  |
| 8.  | What are tsunamis, hot springs, geysers, and volcanic islands? | 22  |
| 9.  | What are igneous and sedimentary rocks?                        | 24  |
| 10. | What are metamorphic rocks?                                    | 28  |
| 11. | What are minerals?   | 30  |
| 12. | What are fossils?  | 35  |
| 13. | What is soil?  | 34  |
| 14. | What are Earth's mineral resources?                            | 38  |
| 15. | What is weathering and erosion?                                | 42  |
| 16. | How does erosion affect Earth?                                 | 44  |
| 17. | What are caves?  | 46  |
| 18. | How do glaciers affect the land?                               | 50  |
| 19. | How do rivers shape the land?                                  | 52  |
| 20. | What special features does a river form?                       | 54  |
| 21. | How are lakes created?   | 56  |
| 22. | How does ocean movement alter coastlines?                      | 58  |
| 23. | What are the features of the ocean floor?                      | 60  |
| 24. | What do we know about deserts?                                 | 62  |
|     | Assessment   | 64  |
|     | Lots of Science Library Books                                  | 67  |
|     | Graphics Pages   | 129 |