Volcanoes are essential elements in the delicate global balance of elemental forces that govern both the dynamic evolution of the Earth and the nature of Life itself. Without volcanic activity, life as we know it would not exist on our planet. Although beautiful to behold, volcanoes are also potentially destructive, and understanding their nature is critical to prevent major loss of life in the future.

Richly illustrated with over 300 original color photographs and diagrams the book is written in an informal manner, with minimum use of jargon, and relies heavily on first-person, eye-witness accounts of eruptive activity at both "red" (effusive) and "grey" (explosive) volcanoes to illustrate the full spectrum of volcanic processes and their products. Decades of teaching in university classrooms and fieldwork on active volcanoes throughout the world have provided the authors with unique experiences that they have distilled into a highly readable textbook of lasting value. Questions for Thought, Study, and Discussion, Suggestions for Further Reading, and a comprehensive list of source references make this work a major resource for further study of volcanology.

Volcanoes maintains three core foci:

- **Global perspectives** explain volcanoes in terms of their tectonic positions on Earth and their roles in earth history

- **Environmental perspectives** describe the essential role of volcanism in the moderation of terrestrial climate and atmosphere

- **Humanitarian perspectives** discuss the major influences of volcanoes on human societies. This latter is especially important as resource scarcities and environmental issues loom over our world, and as increasing numbers of people are threatened by volcanic hazards
Volcanologists, advanced undergraduate, and graduate students in earth science and related degree courses, and volcano enthusiasts worldwide.

A companion website is also available for this title at www.wiley.com/go/lockwood/volcanoes

ABOUT THE AUTHOR

Jack Lockwood worked for the US Geological Survey for over 30 years, including 20 years in Hawaii, based at the Hawaiian Volcano Observatory. He now runs a consulting business, Geohazards Consultants International.

Richard (Rick) Hazlett is Coordinator of the Environmental Analysis Program and a member of the Geology Department at Pomona College in Claremont, California, where he teaches an upper-level course in physical volcanology.

FEATURES

• Full color throughout

• Richly illustrated with 300 original photographs and diagrams

• End of chapter questions for students

• Comprehensive reference and further reading lists

• Essential reading for volcanologists, advanced undergraduate and graduate students in earth science and related degree courses, and volcano enthusiasts worldwide.

For additional product details, please visit https://www.wiley.com/en-us