

WILLIAM D. THORNBURY

Principles of

GEOMORPHOLOGY

SECOND
EDITION



NEW AGE INTERNATIONAL PUBLISHERS

Contents

1	Backgrounds of Geomorphology	1
2	Some Fundamental Concepts	16
3	An Analysis of the Geomorphic Processes	34
4	Weathering, Soil Processes, and Mass-Wasting	62
5	The Fluvial Geomorphic Cycle	99
6	Complications of the Fluvial Cycle	139
7	Stream Deposition	162
8	The Peneplain Concept	178
9	Topography on Domal and Folded Structures	209
10	Topography upon Faulted Structures	234
11	The Arid Cycle	263
12	Eolian Land Forms	288
13	Karst Topography	303
14	Types and Characteristics of Glaciers	345
15	Mountain Glaciation	358
16	Ice Caps and Their Topographic Effects	376
17	Geomorphology of Coasts	420
18	Topography of the Ocean Floors	445
19	Land Forms Resulting from Volcanism	472
20	Pseudovolcanic Features	500
21	Paleogeomorphology	510
22	Applied Geomorphology	539
	Author Index	577
	Subject Index	583