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distinctive hydrology and landforms that arise from a combination of high rock solubility and well developed secondary fracture porosity some obvious hydrological features that distinguish karst from other types of landscapes include a general lack of surface drainage or streams the presence of discrete sink points where streams disappear swallets and the occurrence of springs where water emerges geomorphology and hydrology of karst terrains white published 5 may 1988 environmental science geology karst terrains irregular limestone regions characterized by sinkholes underground streams and caverns have long been of interest because of the dramatic landscapes and the challenge of cave exploration this is a substantial revision of our earlier book karst geomorphology and hydrology which was published in 1989 it has been recast updated and largely rewritten taking care to keep what we judge to be the better features of the earlier version particularly its systems oriented approach and its integration of hydrology and geomorphology introduction to karst karst hydrogeology and geomorphology wiley online library chapter 1 introduction to karst derek ford paul williams book author s derek ford paul williams first published 16 march 2007 doi org 10 1002 9781118684986 ch1 citations 13 pdf tools share summary this chapter contains sections titled geomorphic expression of karst at the subjacent stage includes collapse and subsidence dolines which form extensively at this stage due to intense widening of caves decrease of hydraulic heads and removal of buoyant support dry valleys and a range of karst hydrology phenomena such as rising springs and sinking streams and ponors in karst hydrogeology and geomorphology derek ford paul d williams isbn 978 1 118 68499 3 may 2013576 pages e book starting at just 49 99 print starting at just 56 95 e book 49 99 paperback 56 95 hardcover 157 00 read an excerpt download product flyer is to download pdf in new tab this is a dummy description geomorphology and hydrology of karst terrains publication date 1988 topics karst hydrology karst publisher new york oxford university press collection internetarchivebooks inlibrary printdisabled

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description originally published in 1989 karst geomorphology and hydrology
became the leading textbook on karst studies this new textbook has been
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the book covers in a systematic way the significant features of karst rocks the
chemistry and kinetics of their dissolution the rate and distribution of karst
denudation the unique hydrogeology of karst terrains the landforms endemic to
karst the morphology of caves and their diverse sedimentary records and the
multiple processes that

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summary the study of the occurrence of groundwater its movement and quality is

designated as groundwater hydrology or hydrogeology this chapter explains how groundwater moves in different karst settings and which methods can be used to analyze karst drainage systems

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