



## Karst Geomorphology and Hydrology (Paperback)

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By D C Ford, P W Williams

Springer, Netherlands, 2012. Paperback. Book Condition: New. 234 x 154 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.components dissolve. The alumino silicate minerals are the great example of the incongruent class, releasing  $\text{Na}^+$ ,  $\text{K}^+$ ,  $\text{HCO}_3^-$ , etc. ions in reaction with  $\text{H}_2\text{O}$  but retaining most of their atoms in re-ordered solids such as kaolinite. The karst minerals are all congruent in normal conditions. Incongruent solution of dolomite and precipitation of calcite may occur in some exceptional conditions mentioned later. The sample of congruent minerals in Table 3. 1 contains all the common elements of crustal rocks except Fe, and furnishes a majority of the common dissolved inorganic species. The range of solubility is enormous. Gibbsite is an example that is insoluble to all intents and purposes; even in the most favourable circumstances encountered on the surface of this planet physical processes will disaggregate it and remove it as colloids or larger grains before there is significant solution damage. Rock salt (halite) is so soluble that it is rapidly destroyed in outcrop except in the driest places; it is principally important for its role in interstratal karstification. Sylvite and mirabilite are rarely encountered and never in great...



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