



Cycles Of Essential Elements

Ian Pickup



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from biochemical environmental analysis and a discussion of the phenomena involved in metal ion partition and autocatalytic behaviour conditions and criteria controlling the partition of metals into biomass are investigated Several rules are derived and investigated in terms of their interaction both in comparisons among contemporary organisms and in terms of evolution This allows the construction for example of a map which directly traces the biological feature of essentiality to parameters of coordination chemistry The book will have worldwide appeal for researchers interested in fields such as soil plant interactions bioinorganic chemistry plant nutrition phytomining bioremediation biogeochemistry nutrient cycling soil chemistry and cellular physiology

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