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Sommario/riassunto	Within the field of soil science, soil chemistry encompasses the different chemical processes that take place, including mineral weathering, humification of organic plant residues, and ionic reactions involving natural and foreign metal ions that play significant roles in soil. Chemical reactions occur both in the soil solution and at the soil particle-solution interface-the latter surface reactions being vitally important in soil properties and behavior. The binding of ions to soil particles is important in defining the fate of foreign species, such as pollutants, and has a direct impact on