



METADATA

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Abstract

This textbook is the result of many years of teaching Medical Chemistry. Its main objective is the in-depth study of selected topics of General, Physical, Organic and Bio-organic Chemistry in order to form a solid chemical background, a general base of knowledge and concepts necessary, for the understanding and assimilation of the basics for medical and biomedical specialties courses in Biochemistry, Physiology, Pharmacology, Clinical Chemistry and Laboratory Medicine. This book offers an alternative approach to the study of the course material and to the creative learning through focused and specific questions

as well as analytical responses, suggesting a specific study plan. In the sections of the textbook, a chemical background is first formed and then its value for the interpretation of biomedical phenomena and applications is demonstrated. For example, the periodic table is analyzed from a Medicine point of view, distinguishing the basic and trace elements of the human body, elements toxic to the human body (heavy metals). Similarly, the following suggestion concerning complex therapy and the treatment of mineral poisoning is based on the new, for students, knowledge of coordination compounds.

