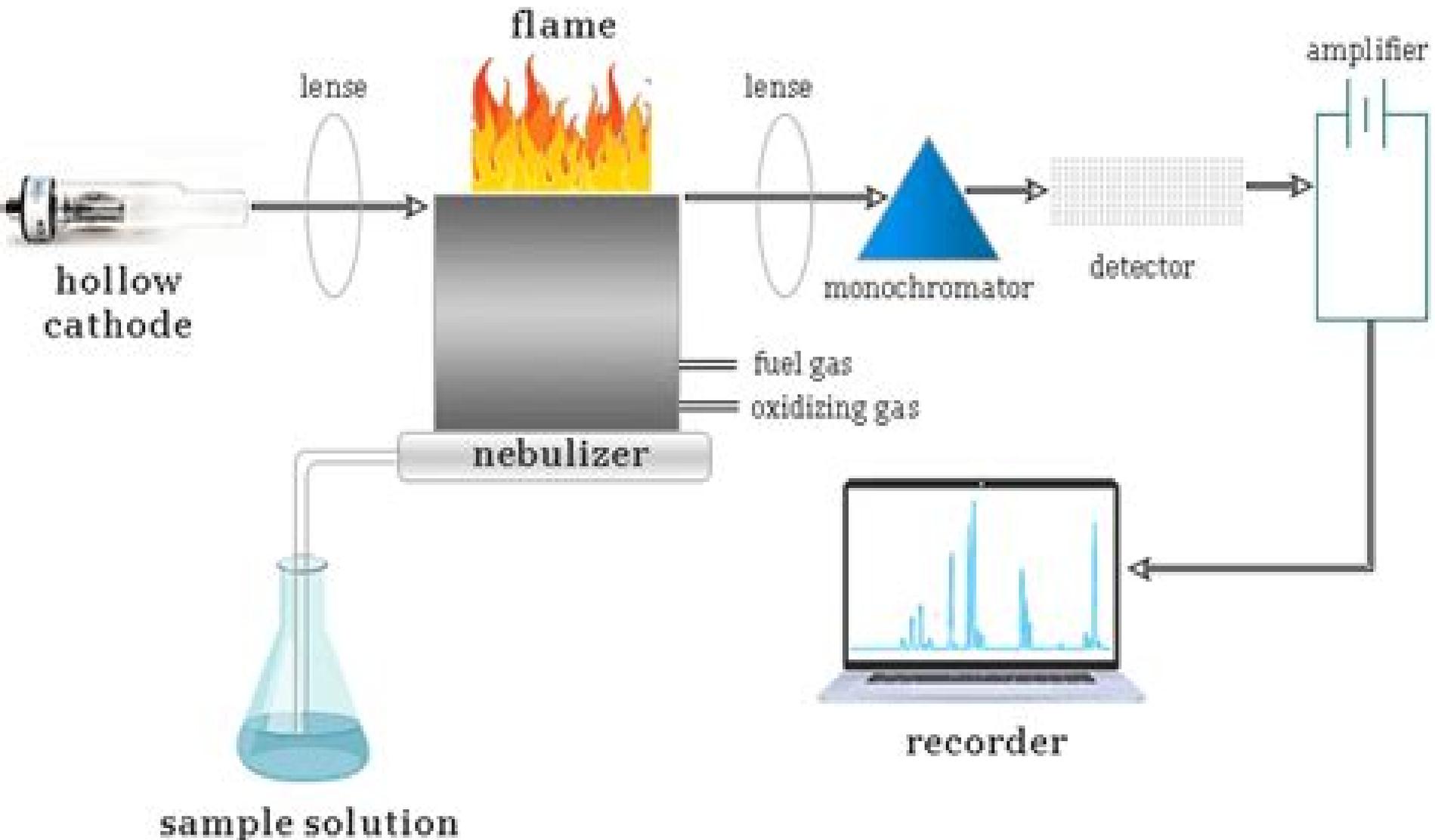


Atomic absorption spectroscopy



Atomic Absorption And Emission Spectroscopy

John R. Dean



Atomic Absorption And Emission Spectroscopy:

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aforementioned gap and to present the basic principles and instrumentation involved in analytical atomic spectroscopy To meet this objective the book includes an elementary treatment of the origin of atomic spectra the instrumentation and accessory equipment used in atomic spectroscopy and the principles involved in arc spark emission flame emission atomic absorption and atomic fluorescence The chapters in the book that deal with the methods of atomic spectroscopy discuss such things as the basic principles involved in the method the instrumentation requirements variations of instrumentation advantages and disadvantages of the method problems of interferences detection limits the collection and processing of the data and possible applications

Atomic Absorption and Plasma Spectroscopy, 2nd Ed (set Price of 34 Books) John R. Dean, 2008-09-23 Atomic Absorption and Plasma Spectroscopy Second Edition Atomic Absorption and Plasma Spectroscopy incorporates two widely used and well established analytical chemistry techniques This second edition follows an extremely successful first edition Atomic Absorption and Emission Spectroscopy and takes into account the increasing contribution in recent years of plasma emission spectroscopy to this important field Plasma based techniques are discussed in detail and the coupling of plasma spectroscopy with mass spectrometry is also considered This highly readable text first introduces the reader to the subject and then by means of self assessment questions regular summaries and lists of learning objectives allows the readers to learn more about this important subject at their own pace Atomic Absorption and Plasma Spectroscopy is an excellent introduction to the topic for the practising analyst Analytical Chemistry by Open Learning This series provides a uniquely comprehensive and integrated coverage of analytical chemistry focusing on basic concepts classical methods instrumental techniques and applications The learning objectives of each text are clearly identified and the student's understanding of the material is constantly challenged by self assessment questions with reinforcing or remedial responses The overall objective of Analytical Chemistry by Open Learning is to enable the student to select and apply appropriate methods and techniques to solve analytical problems and to interpret the results obtained Methodology in Trace Element Analysis Sample Preparation The Theory of Atomic Spectroscopy Atomic Absorption Spectroscopy Atomic Emission Spectroscopy Inorganic Mass Spectrometry Comparison of Techniques Further Information

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