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volume 2 covers the theoretical aspects and some  
applications of certain spectroscopic methods for anic  
pound identification this book is posed of 10 chapters  
and begins with an introduction to the structure  
determination from mass spectra'*

**'organic Spectroscopic Analysis Rosaleen J**

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**Anderson**

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~~institute of technology an exceptional introduction to modern nmr spectroscopy more advanced than this text~~"**INTRODUCTION TO SPECTROSCOPY  
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THE READER WITH A BASIC UNDERSTANDING  
OF HOW NUCLEAR MAGNETIC RESONANCE  
NMR INFRARED IR AND ULTRAVIOLET VISIBLE  
UV VIS SPECTROSCOPY AND MASS  
SPECTROMETRY MS GIVE RISE TO SPECTRA  
AND HOW THESE SPECTRA CAN BE USED TO  
DETERMINE THE STRUCTURE OF ANIC  
MOLECULES THE TEXT AIMS TO LEAD THE  
READER TO AN APPRECIATION OF THE  
INFORMATION AVAILABLE FROM EACH FORM*

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## *OF SPECTROSCOPY AND AN ABILITY TO USE SPECTROSCOPIC*

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contains 64 spectral problems grouped into three classes easy moderate and

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there are no shortcuts in anic chemistry and that understanding and mastery

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determine the structure of anie molecules'~~

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structure constitution and stereochemistry of anic  
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structural problems'

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SPECTROSCOPY OF ANIC POUNDS UNTIL THE MID 20TH CENTURY

MOST ANIC POUNDS WERE DISTINGUISHED FROM ONE ANOTHER

LARGELY ON THE BASIS OF SIMPLE PHYSICAL AND CHEMICAL

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ONLY SUPERFICIAL CLUES ABOUT A POUND S MOLECULAR STRUCTURE, AND THE DETERMINATION OF THAT STRUCTURE WAS A PPLICATED

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11 3 analytical techniques can be used to determine the structure of a pound  
analyze the position of a substance or determine the purity of a pound

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are shown in italics in absorption spectroscopy a photon is absorbed by an atom or molecule which undergoes a transition from a lower energy state to a higher energy or excited state figure pageindex 4 the type of transition depends on the photon s energy" ~~organic structure analysis topics in organic chemistry~~

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