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Experiments
General
Organic
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*This General, Organic
and Biochemistry text*

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Biochemistry

Better Health

has been written for students preparing for careers in health-related fields such as nursing, dental hygiene, nutrition, medical technology and occupational therapy. It is also suited for students majoring in other fields where it is important to have an understanding of the basics of chemistry. An

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Chemistry, organic

chemistry, and

biochemistry topics are

presented in adjacent

chapters. This approach

helps students see the

strong connections that

exist between these

three branches of

chemistry, and allows

instructors to discuss

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these, interrelationships while the material is still fresh in students' minds.

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Laboratory Manual for General, Organic, and Biological Chemistry

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Chemistry

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can accompany the lab portion of any one-semester GOB chemistry course. Most experiments include a link to the health sciences, such as nursing and nutrition, while concepts are framed in real-world questions and are broadly applicable. Many of the experiments illustrate concepts from

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more than one chapter

Experiments

of the text and often

utilize basics from the

areas of general,

organic, or biological

chemistry to develop

concepts in one or more

of the other areas. This

integrated strategy

helps students to

understand that

chemistry is not a

disparate set of

unrelated concepts.

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Using this integrated approach, students develop the skills to help them understand chemistry and to see its applications in their everyday lives.

This full-color, comprehensive, affordable manual is intended for a one-semester general, organic, and biochemistry course,

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preparatory/basic

Experiments,
chemistry course,

liberal arts chemistry

course, or allied health

chemistry course. The

procedures are written

with the goal of

simplifying a

complicated and often

challenging subject for

students by applying

concepts to everyday

life. The first half of the

lab manual covers

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*general topics such as
Experiments
chemical and physical*

*properties, elements of
General Organic
the periodic table, types*

*of bonds, empirical
Biochemistry
formulas, and reaction*

*stoichiometry. These
Lettenent
labs form the foundation
for future labs, which*

*cover the basics of
organic and biological
chemistry. Experiments
include the*

classification of organic

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*compounds and the
determination of*

Experiments

biomolecules. By the

end of this course,

students should have a

solid understanding of

the basic concepts of

chemistry, which will

give them confidence as

they embark on various

allied health

careers. Features:

?Initiate the study of

basic concepts in the

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general, organic, and

Experiments

biochemistry laboratory

General Organic

by reading through

Biochemistry

concise introductory

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material and answering

pre-lab questions that

familiarize students with

the concepts presented

in each exercise. The

inclusion of color

photography and high-

quality art promotes

engagement and

comprehension of the

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Experiments

concepts. Investigate

the mysteries of matter

by following the clearly

written procedures and

recording data and

observations on the

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Common techniques are

reviewed as needed in

Technique Tips boxes to

reinforce the

development of basic

laboratory skills. OSHA

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pictograms, and Lab

Safety boxes are

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knowledge of each

laboratory topic by

making sense of the data

that has been collected.

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*analysis skills to take
shape as students make
connections between
what has been learned
and practiced in the
hands-on lab and how
this knowledge can be
applied to a relevant,
real-world context.*

*Exploring General,
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*Laboratory Manual for
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This bestselling text continues to lead the way with a strong focus on current issues, pedagogically rich framework, wide variety of medical and biological applications,

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them place special
emphasis on the
biological implications
of chemical concepts.

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organized and written
to ensure that non-
science majors are
comfortable with
chemistry labs by

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making the experiments more

applicable to students'

daily lives. This approach also serves

to make the

experiments more

understandable. Many

labs relate specifically

to allied health fields.

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Today

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visual support for

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clear explanations,

visual support, and

effective pedagogy

combine to make

the text ideal for

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majors. Early chapters focus on fundamental chemical principles while later chapters

build on the foundations of these principles.

Mathematics is introduced at point-of-use and only as needed. Important

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that will ultimately

make the world a

better place.

Unfortunately, as

the professional

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becomes more and

more competitive,

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today cannot just

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**rely on technical
knowledge to carve
successful careers.**

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Besides technical

skills, they will

need to acquire

other skills, such as

how to

communicate their

science to the

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disciplines). She**

**has not only been a
research scientist**

**but also a writer, a
consultant, a sole-
trader and a**

**project manager. A
Survival Guide for
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takes on a holistic**

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**approach in order
to help you pave
the way for success.**

**As such, it features
practical guidelines**

on how to: ●

**conduct your
scientific research**

(how to: do

**literature review,
design experiments,
adopt best practice,**

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ensure health and safety, etc.). • write and edit (reports, bid proposals, peer review

publications, etc). • interact with the outside world (be a team leader, manage a project, network, deal with difficult people, do

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**presentations,
organise meetings,**

etc.). • look after

your career (and

get your dream

job). • look after

yourself (and how

to manage stress). •

look for a job

(develop your CV,

prepare for

interviews, etc.). •

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**become self-
employed (and
achieve business
success). • deal
with redundancy
(and move forward
in life, etc)**

**Whatever your
scientific
background may
be, this book is the
perfect**

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guide you at every

stage of your

career.

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authors emphasize a qualitative approach to chemistry in both the text and the technology program before quantitative problems are considered, helping to build comprehension. The emphasis on modeling throughout

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the narrative addresses the problem of rote memorization by helping students to better understand and appreciate the process of scientific development. By stressing the limitations and uses of scientific models,

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the authors show

students how

chemists think and

work. Important

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emphasis on real-

world topics lets

readers clearly see

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preparing for

careers in

health-related

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concepts and
principles in
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