Civil engineers are introduced to chemistry and biology through a mass and energy balance approach with this book. It covers ABET required topics of emerging importance, such as sustainable and global engineering. Problems are integrated at the end of the chapters that are similar to those on the FE and PE exams. In addition, readers will have access to Web modules, which address a specific topic, such as water and wastewater treatment. The modules include rich content such as animations, audio, video, interactive problem solving, and links to explorations. Civil engineers will also gain a global perspective so they can take a leadership role in sustainable development.

As an environmental engineer with a 25+ years actual practice, I have to say that this book is one of the best in the field. The book addresses almost (for not saying all) the environmental engineering field issues, adding the extremely-important environmental sustainability focus to our practice. "Old" principles (such as wastewater engineering and potable water treatment) are addressed, as well as the more-recent aspects. The focus of the book is practical; it does not enter into the "too-complex" issues that (in my opinion) do not help that much the actual practitioner. The book is excellent for both the environmental engineering student (the format is focused to the actual classroom, with exercises, problems, etc.), as well as for the experienced EE practitioners (which should acquire knowledge of the environmental sustainability field). Thanks to the authors and publishers for developing this book!!!!