1014-Q1-1753　　　**George Rublein*** (`gbtrubk@math.wm.edu`), Department of Mathematics, College of William and Mary, Williamsburg, VA 23187-8795. *Chemistry applications in beginning calculus.*

Chemistry problems are typically avoided in calculus texts, largely because the mathematical arguments as well as the vocabulary employed are foreign to the experience of mathematicians. Students in physical chemistry are then left fo fend for themselves in a mathematical minefield. We give some examples in which chemistry can appear in a natural setting in beginning calculus. (Received September 29, 2005)