

# A Handful of Suggested Textbook Problems on Equilibrium Chemistry

The following are some problems from each of the three textbooks that cover the basic calculations of equilibrium chemistry. Answers to the problems are included in each textbook. Note that your textbook classifies problems under section headings that you can match to the sections assigned for each day. You may wish to work additional similar problems in areas where you feel the need for more practice.

## ***Chemistry: Atoms First* by OpenStax College**

Chapter 13: 9, 15, 17, 37, 41, 45, 47, 51, 55, 61, 65, 69, 95

Chapter 14: 3, 5, 9, 19, 21, 24, 34, 51, 59, 71, 73, 77, 77, 85, 89, 91, 101

Chapter 15: 3, 7, 11, 15, 23, 25, 29, 33, 43, 49, 67, 71

## ***Chemistry: An Atoms First Approach* by Gilbert, Kriss, and Foster**

Chapter 14: 21, 25, 39, 45, 53, 55, 67, 71, 75, 77, 89, 93

Chapter 15: 13, 15, 17, 19, 31, 39, 41, 51, 55, 59, 61, 63, 69, 71, 77, 81, 87, 89, 91

Chapter 16: 69, 73, 93

## ***Chemistry: Atoms First* by Burdge and Overby**

Chapter 15: 9, 11, 13, 23, 27, 35, 39, 43, 59, 71, 73, 77, 105

Chapter 16: 3, 7, 19, 21, 25, 27, 37, 51, 55, 57, 69, 77, 85, 95, 99, 137

Chapter 17: 9, 11, 17, 19, 49, 65, 69, 73, 75

## ***Chemistry* by Ow**

Chapter 14: 14, 15, 16, 17, 18, 23, 25, 27, 29, 31, 33, 37, 43

Chapter 15: 15, 16, 20, 21, 22, 23, 25, 35, 36, 39

Chapter 16: 9, 13, 14, 16, 20, 21, 42, 45, 47, 51, 54, 58