CONTENTS

ELEMENTAL: THE CHARISMA OF CHEMISTRY 1

- 1 EFFERVESCENT: THE BEAUTY OF BUBBLES 7
- 2 ORDERLY: THE CHARM OF CRYSTALS 39
- 3 INSOLUBLE: THE POWER OF PRECIPITATION 79
- 4 EXUBERANT: THE DELIGHT OF DENDRITIC GROWTH 113
- 5 INCENDIARY: THE FASCINATION OF FLAMES 161
- 6 GALVANIZING: THE ENCHANTMENT OF ELECTROCHEMISTRY 199
- 7 CHROMATIC: THE CURIOSITY OF COLOR CHANGES IN PLANTS 231
- 8 CALESCENT: THE HELPFULNESS OF HEAT 271
- 9 ORGANIC: THE CONTORTIONS OF CHEMICAL GARDENS 297
- 10 CREATIVE: THE PROFUSION OF PATTERNS 327

POSTSCRIPT: ART, WONDER, AND SCIENCE 355

ACKNOWLEDGMENTS 359 APPENDIX: MOLECULES AND STRUCTURES 361 GLOSSARY 375 SOURCES OF QUOTATIONS 379 INDEX 381