

**Suggested Experiment Order for:  
School of Tomorrow Chemistry Series, 1996 Edition, ACE Ministries**

| School of Tomorrow PACE                        | PACE page                   | Suggested MicroChem Lab  |
|--|-----------------------------|--|
| 1121. Introduction to chemistry                |                             |  |
| 1122. Matter and its Properties                | p. 1<br>p. 14               | 2. Melting points<br>1. Paper Chromatography   |
| 1123. Phases of Matter                         | p. 13<br>p. 15              | 8. Boyle's law<br>9. Charles's Law   |
| 1124. Chemical Periodicity and Bonding         | p. 17<br>p. 18              | 7. Decomposition<br>3. Electrical Conductivity   |
| 1125. Stoichiometry and Chemical Reactions     | p. 20<br>p. 26              | 5. Double Replacement Reactions<br>4. Mole Ratios  |
| 1126. Solutions                                | p. 11<br>p. 21              | 10. Solubility Product Constant<br>13. Molar Mass by Titration (Could be done with PACE 1127, p. 21)           |
| 1127. Acids, Bases, and Salts                  | p. 18<br><br>p. 21<br>p. 26 | 14. A Buffer Solution (Buffers not covered in PACES)<br>12. A Microscale Titration<br>11. PH and PH Indicators |
| 1128. The Reaction Process                     | p. 22<br>p. 22              | 15. Reaction Rate: Concentration<br>16. Reaction Rate: Temperature   |
| 1129. Oxidation-Reduction and Electrochemistry | p. 2<br>p. 14               | 6. Oxidation-Reduction<br>17. Electrochemistry   |
| 1130. Descriptive Chemistry                    |                             |  |
| 1131. Organic Chemistry                        |                             |  |
| 1132. Biochemistry-Nuclear Chemistry           |                             |  |