Mole Ratio for a Chemical Reaction

Introduction to Chemical Principles, 6th ed., Weiner *revised 05/07/2009*

NOTES, REVISIONS, MODIFICATIONS:

ASA (p. 143): *skipped question #2*
CALCULATIONS (pp. 145 or 147): *skipped question #4*

Specific Grading Guidelines:

1. mole ratio within 10% of theoretical; ratio = 0.90 to 1.10 ..... -0 point
2. mole ratio within 11-25% of theoretical; ratio = 0.75-0.89 to 1.11-1.25 ..... -1 point
3. mole ratio error >25%; ratio = <0.75 or >1.25 ..... -2 points

4. Advance Study Assignment value ..... 2 points

5. any question not answered or data missing ..... -1 point each

Generic Grading Guidelines:

Each lab report is worth 10 pts (max.) and will be graded on the following basis:
A 10-point Lab Report will have the following attributes:

1. extra effort and high-level thought are evident throughout
2. proper significant figures are used throughout
3. proper units are used throughout
4. calculations are shown
5. calculated results are correct
6. answers are correct (or at least reasonable); "unknowns" are correctly identified (2 points)
7. unreasonable results are noted and an explanation is attempted
8. conclusions logically follow from experimental results
9. lab procedures have been followed exactly
10. written answers are detailed and thorough; complete sentences are used; work is legible
11. student name, course number, section number, date, etc. is included on each page
12. report is turned in on either original lab manual pages
13. only the pages that are clearly meant to be included are included with the final report; introductory text is NOT included with the final report

- In general, 1 point will be deducted from the 10 points for each error or omission listed above.
- A complete lab report, no matter how may errors, will be assigned a minimum of 6 points.
- Zero points will be assigned to laboratory reports that are substantially incomplete.
- Students who arrive late to their scheduled lab meeting will have the following points deducted from that week's lab report: 1st offense = -0 points, 2nd offense = -1 point, 3rd offense = -2 points...