

Name: _____

Lab: X-Rays and Atomic Structure

Grader: _____

| Grading Rubric | Subscore | Maximum | Score | Total |
|--|----------|---------|-------|-----------|
| | | | | |
| Title Page | | | | 5 |
| Results | | | | 35 |
| Co Spectrum | | 5 | | |
| Co Peak Channel Numbers | | 5 | | |
| Bi Spectrum | | 5 | | |
| Identification of the Cs X-Rays | | 5 | | |
| Unknown Spectra (x2) | | 5 | | |
| Am Spectrum | | 5 | | |
| Interpretation of Am Peaks | | 5 | | |
| Discussion | | | | 35 |
| Prediction of X-Ray Energies (PB, K, L) | | 5 | | |
| Energy of Peaks Consistent? | | 5 | | |
| Why Are Some Lines Missing? | | 5 | | |
| Show the Xe Escape Peaks | | 5 | | |
| Unknown Identification | | 5 | | |
| Are the K X-Rays of silver resolved? | | 5 | | |
| Are there Xe Escape Peaks? | | 5 | | |
| Units (-1 every occurrence) | | | | |
| Measurements w/o uncertainty (-1/2 every occurrence) | | | | |
| Total | | | | 75 |