

Lab Report Rubric

Jigsaw Ionic Compounds Lab

Name: _____

Period: _____ Date: _____

| Item | 0 points | 1 point | 2 points | 3 points |
|--|-------------------------------------|--|--|--|
| <u>Plagiarism 1</u> Did you write your report yourself in your own words? | Above 25% | Below 25% | Below 20% | Below 15% |
| <u>Plagiarism 2</u> Did you write your report yourself in your own words? | Above 25% | Below 25% | Below 20% | Below 15% |
| <u>Title Page</u> Is title-page personalized & have all information? | Missing Title Page | Title Page missing information | Title Page with all information | Personalized Title Page with all info |
| <u>Question/Problem</u> Is everything to be accomplished stated? | Missing question/problem | Q/P present, missing items or not done well | Q/P present and includes everything | Q/P present, thorough, and with everything |
| <u>Data 1</u> How well did you describe formation of representative & polyatomic Cations? | Missing Cation description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 2</u> How well did you describe formation of transition element and post-transition metals? | Missing Transition/Post description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 3</u> How well did you describe formation of representative & polyatomic Anions? | Missing Anion description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 4</u> How well did you describe ionic bonds? | Missing Ionic Bond description | Briefly described, incomplete, or inaccurate | Described, accurate, but incomplete | Described, accurate, with detail |
| <u>Data 5</u> How well did you describe naming monatomic representative cations? | Missing Cation Names description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 6</u> How well did you describe naming monatomic post-transition cations? | Missing Cation Names description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 7</u> How well did you describe naming monatomic anions? | Missing Anion Names description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 8</u> How well did you describe naming –ate polyatomic anions? | Missing –ate Names description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 9</u> How well did you describe naming –ite polyatomic anions? | Missing –ite Names description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 10</u> How well did you describe naming <i>per</i> and <i>hypo</i> anions? | Missing –ite Names description | Both described, inaccurate or both not in detail | Both described, accurate, not both in detail | Both described, accurate, and in detail |
| <u>Data 11</u> How well did you organize your colors for the ions? | Missing ion colors | Present, unorganized, not able to determine | Present, unorganized, able to determine | Present, organized, able to determine |
| <u>Hypothesis 1</u> How well did you describe which ions could combine? | Missing description | Present, inaccurate or not in detail | Present, accurate, not in detail | Present, accurate, and in detail |
| <u>Hypothesis 2</u> How well did you present/organize your ion combos? | Missing ion combos | Present, unorganized, not able to determine | Present, unorganized, able to determine | Present, organized, able to determine |

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|--|---|---|---|---|
| <u>Hypothesis 3</u> How well did you present/organize your formula predictions? | Missing formula predictions | Present, unorganized, not able to determine | Present, unorganized, able to determine | Present, organized, able to determine |
| <u>Experiment 1</u> How well did you describe the experimental procedure? | Missing Procedure | Present, not complete, not in detail | Present, complete, not fully detailed | Present, complete, fully detailed |
| <u>Experiment 2</u> How well did you complete the puzzles? | Missing Puzzles | Present, inaccurate or not in detail | Present, accurate, not in detail | Present, accurate, and in detail |
| <u>Experiment 3</u> How well did you draw the puzzles on the computer? | Missing Puzzles | Present, not uniform, off-centered, etc... | Present, some non-uniformity, some off-center, etc... | Present, uniform, & centered well |
| <u>Experiment 4</u> How well did you color-code your ions on the computer? | Missing Puzzles | Ions hard to identify or variable in color | Ions identified by color or label | Ions easily identified by color and label |
| <u>Analysis 1</u> How well did you describe how ionic compounds must be put together (common multiples of charge, or net charge)? | Missing Rules | Present, not explained well | Present, explained | Present, Explained well |
| <u>Analysis 2</u> How well did you describe how to name ionic compounds? | Missing Naming Rules | Present, not explained well | Present, explained | Present, Explained well |
| <u>Analysis 3</u> How accurately did you name your ionic compounds? | Missing Names | Present, multiple mistakes | Present, few mistakes | Present, no mistakes |
| <u>Conclusion 1</u> How well did you describe your Restate part of conclusion? | Missing | Present, not explained well | Present, explained | Present, Explained well |
| <u>Conclusion 2</u> How well did you describe your Explain part of conclusion? | Missing | Present, not explained well | Present, explained | Present, Explained well |
| <u>Conclusion 3</u> How well did you describe your Results part of conclusion? | Missing | Present, not explained well | Present, explained | Present, Explained well |
| <u>Conclusion 4</u> How well did you describe your Uncertainty part of conclusion? | Missing | Present, not explained well | Present, explained | Present, Explained well |
| <u>Conclusion 5</u> How well did you describe your New part of conclusion? | Missing | Present, not explained well | Present, explained | Present, Explained well |
| <u>Technical Aspects</u> APA/MLA format and proper spelling/grammar? | No APA/MLA ≥ 3 errors | APA/MLA 2 errors | APA/MLA 1 error | APA/MLA 0 errors |
| <u>Present Tense</u> Did you use present tense for the entire report? | No Present Tense ≥ 3 errors | Present Tense 2 mistakes | Present Tense 1 mistake | Present Tense 0 mistakes |
| <u>3rd Person</u> Did you use 3 rd person for the entire report? | No 3 rd Person ≥ 3 errors | 3 rd Person 2 mistakes | 3 rd Person 1 mistakes | 3 rd Person 0 mistakes |
| 1 Point = Turned in on-time | <u>First Page</u> | <u>Second Page</u> | Total Score | |