Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lab Day & Time: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

## Data Sheet

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Resonance Structures Including Formal Charges | Electronic Geometry | Molecular  Geometry | Sketch | Polarity |
| NO3- |  |  |  |  |  |
| SO42- |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Resonance Structures Including Formal Charges | Electronic Geometry | Molecular  Geometry | Sketch | Polarity |
| NO2- |  |  |  |  |  |
| SO2 |  |  |  |  |  |
| N2O  (N is  central  atom) |  |  |  |  |  |
| Species | Resonance Structures Including Formal Charges | Electronic Geometry | Molecular  Geometry | Sketch | Polarity |
| SCN- |  |  |  |  |  |
| SO3 |  |  |  |  |  |
| (S2CO)2-  (C is the  central  atom) |  |  |  |  |  |
| Species | Resonance Structures Including Formal Charges | Electronic Geometry | Molecular  Geometry | Sketch | Polarity |
| IO3- |  |  |  |  |  |
| ClO4- |  |  |  |  |  |