Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3a

Dr. Cary Willard February 26, 2014

1. (3 points) What is a cation?
2. (3 points) Explain why P2O5 is named dinitrogen pentoxide, using prefixes, but Al2O3 is named aluminum oxide, without prefixes.
3. (4 points) What are the two names for the Fe3+ ion?
4. (10 points) Fill in the table below

|  |  |
| --- | --- |
| IUPAC Name | Chemical formula |
| sodium phosphide |  |
| manganese(III) sulfide |  |
| trichlorine heptaoxide |  |
|  | AgCl |
|  | PbO2 |

Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3b

Dr. Cary Willard February 26, 2014

1. (3 points) What is an anion?
2. (3 points) Explain why P2O5 is named dinitrogen pentoxide, using prefixes, but Al2O3 is named aluminum oxide, without prefixes.
3. (4 points) What are the two names for the Fe2+ ion?
4. (10 points) Fill in the table below

|  |  |
| --- | --- |
| IUPAC Name | Chemical formula |
| calcium iodide |  |
| chromium(II) nitride |  |
| pentabromine octaoxide |  |
|  | ZnBr2 |
|  | VCl5 |

Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3c

Dr. Cary Willard February 26, 2014

1. (3 points) What is a cation?
2. (3 points) Explain why P2O5 is named dinitrogen pentoxide, using prefixes, but Al2O3 is named aluminum oxide, without prefixes.
3. (4 points) What are the two names for the Cu2+ ion?
4. (10 points) Fill in the table below

|  |  |
| --- | --- |
| IUPAC Name | Chemical formula |
| beryllium fluoride |  |
| titanuium(III) oxide |  |
| tetracarbon nonochloride |  |
|  | Ag2S |
|  | CoBr2 |

Chemistry 115 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Quiz 3d

Dr. Cary Willard February 26, 2014

1. (3 points) What is an anion?
2. (3 points) Explain why P2O5 is named dinitrogen pentoxide, using prefixes, but Al2O3 is named aluminum oxide, without prefixes.
3. (4 points) What are the two names for the Cu1+ ion?
4. (10 points) Fill in the table below

|  |  |
| --- | --- |
| IUPAC Name | Chemical formula |
| magnesium iodide |  |
| iron(II) nitride |  |
| pentacarbon hexachloride |  |
|  | ZnF2 |
|  | SnO2 |