**Mini-quiz #7 Chemistry 1114 section 2 (Fong) 10 Sept 2014 6 pts A**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Fill in the missing information (2 points for each completely correct line)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Atomic # | Mass # | symbol | #p | #n | #e | Atom charge |
|  | 73 |  |  | 41 |  | 0 |
|  | 29 | Si |  |  | 14 |  |

1. Compute the average atomic mass of the hypothetic element Fu given the information below:

Fu mass # % abundance=Pk

255.0 10

260.0 40 average mass of Fu= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ( to nearest 0.1 )

262.0 50

**Mini-quiz #7 Chemistry 1114 section 2 (Fong) 10 Sept 2014 6 pts B**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Fill in the missing information (2 points for each completely correct line)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Atomic # | Mass # | symbol | #p | #n | #e | Atom charge |
|  |  | As |  | 42 |  | 0 |
|  | 107 |  | 47 |  | 48 |  |

1. Compute the average atomic mass of the hypothetic element Bo given the information below:

Bo mass # % abundance=Pk

189.0 40

193.0 45 average mass of Bo= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ( to nearest 0.1 )

190.0 15

**Mini-quiz #7 Chemistry 1114 section 2 (Fong) 10 Sept 2014 6 pts C**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Compute the average atomic mass of the hypothetic element Ug given the information below:

Ug mass # % abundance=Pk

300.0 30

1. 20 average mass of Ug= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ( to nearest 0.1 )
2. 50

2)Fill in the missing information (2 points for each completely correct line)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Atomic # | Mass # | symbol | #p | #n | #e | Atom charge |
|  | 183 |  | 74 |  |  | 0 |
|  | 50 | V |  |  |  | 0 |