**Mini-quiz #13 Chemistry 1114 section 2 (Fong) 29 Sept 2014 3 pts A**

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

**A sample contains: 9 grams C, 21 g N and 8 g O. What is its empiric formula ?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **element** | **mass** | **Atomic mass**  **(g/mol)** |  |  |  |
| **C** |  | **12** |  |  |  |
| **N** |  | **14** |  |  |  |
| **O** |  | **16** |  |  |  |

Empiric formula:= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mini-quiz #13 Chemistry 1114 section 2 (Fong) 29 Sept 2014 3 pts B**

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

**A sample is 6 g C, 1.25 g H and 12 g O. What is its empiric formula ?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Element** | **Mass (g)** | **Atomic mass**  **(g/mol)** |  |  |  |
| **C** |  | **12** |  |  |  |
| **H** |  | **1** |  |  |  |
| **O** |  | **16** |  |  |  |

Empiric formula: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mini-quiz #13 Chemistry 1114 section 2 (Fong) 29 Sept 2014 3 pts C**

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

**A sample contains 4.50 g C, 0.1875 g H and 1.75 g N What is its empiric formula ?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Element** | **Mass (g)** | **Atomic mass**  **(g/mol)** |  |  |  |
| **C** |  | **12** |  |  |  |
| **H** |  | **1** |  |  |  |
| **N** |  | **14** |  |  |  |

Empiric formula: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_