**The Mole: Percent Composition: Quiz 4a**

/5

**Make sure to SHOW ALL WORK and INCLUDE UNITS!**

1. What is the percent composition of sodium carbonate?

Answers:



Na2CO3 = 2(22.99) + 12.01 + 3(16.00) = 105.99 g/mol

|  |  |  |
| --- | --- | --- |
| %Na = | 45.98g | × 100% = **43.38% Na** |
| 105.99g |
| %C = | 12.01g | × 100% = **11.33% C** |
| 105.99g |
| %O = | 48.00g | × 100% = **45.29% O** |
| 105.99g |