

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

## ***Mole Conversions Worksheet 1***

*Convert the following problems from number of representative particles to moles*

1.  $12.04 \times 10^{23}$  atoms He

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2.  $3.01 \times 10^{23}$  atoms Cu

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3.  $4.61 \times 10^{23}$  atoms Fe

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4. 100 molecules H<sub>2</sub>O

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5.  $4.34 \times 10^{12}$  formula units NaCl

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*Convert the following problems from moles to number of representative particles*

6. 2.20 moles Sn to atoms

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7. 5.00 moles Ag to atoms

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8. 9.82 moles Na to atoms

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9. 3.21 moles CCl<sub>4</sub> to molecules

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10. 6.18 moles CCl<sub>4</sub> to atoms

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