

**Chemistry Worksheet: Mole Concept**

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

- 1) What is the mass of one mole of Br atoms?
- 2) What is the mass of one mole of titanium atoms?
- 3) What is the molar mass of tin?
- 4) What is the mass of one mole of chromium atoms?
- 5) What is the mass of  $6.02 \times 10^{23}$  atoms of arsenic?
- 6) Is one mole of zinc the same as one atom of zinc?
- 7) How many atoms are there in one mole of atoms?
- 8) What is the mass of one mole of Br<sub>2</sub> atoms?
- 9) What is the mass of one mole of water?
- 10) What is the molar mass of CaCl<sub>2</sub>?
- 11) What is the molar mass of K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>?
- 12) What is the mass of one mole of Ba(OH)<sub>2</sub>?
- 13) What is the molar mass of carbon disulfide?
- 14) What is the molar mass of ethanol, C<sub>2</sub>H<sub>5</sub>OH?
- 15) Calculate the molar mass of each of the following:  
a) (NH<sub>4</sub>)<sub>2</sub>SO<sub>3</sub>      b) Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>      c) Al<sub>2</sub>(CrO<sub>4</sub>)<sub>3</sub>      d) KNO<sub>3</sub>
- 16) What is the mass of  $6.02 \times 10^{23}$  molecules of H<sub>2</sub>CO<sub>3</sub>?