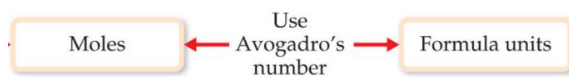


Chemistry  
Moles & Avogadro's Number (Part 2) WS

Name \_\_\_\_\_

*Instructions: Read the following problems and complete the correct calculations. SHOW ALL WORK. Try to round to the correct number of significant figures.*



1. How many atoms are in 4.87 mol of  $\text{H}_2\text{O}_2$ ?
  
  
  
  
  
  
  
  
  
  
2. How many atoms are in 0.487 mol of  $\text{NaCl}$ ?
  
  
  
  
  
  
  
  
  
  
3. How many atoms are in 6.54 mol  $\text{H}_2\text{SO}_4$ ?
  
  
  
  
  
  
  
  
  
  
4. How many atoms are in 2.97 mol of  $\text{AlCl}_3$ ?
  
  
  
  
  
  
  
  
  
  
5. How many hydrogen atoms are in 3.14 mol of  $\text{NH}_3$ ?
  
  
  
  
  
  
  
  
  
  
6. How many nitrogen atoms are in 2.79 mol of  $\text{Mg}_3\text{N}_2$ ?

7. How many oxygen atoms are in 4.90 mol of  $\text{Al}_2\text{O}_3$ ?

8. How many carbon atoms are in  $\text{Pb}(\text{CN})_4$ ?