

**DUE AT THE END OF CLASS! TURN IT IN BEFORE YOU LEAVE!**

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**Name:**

**Period:**                      **Seat #:**

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**Directions:** Show all work in single dimensional analysis set ups. **Put units and boxes around each answer.** Finished? Check your answers up front.

- 1) How many atoms are in 50 grams of water?
  
  
  
  
  
  
  
  
  
  
- 2) How many grams are in 8.5 moles of lithium oxide?
  
  
  
  
  
  
  
  
  
  
- 3) How many atoms are in 25 moles of fluorine gas?
  
  
  
  
  
  
  
  
  
  
- 4) If a liquid has a density of 4.3 g/mL, and a molar mass of 75 g/mol how many molecules are in 2.3 L of the liquid?
  
  
  
  
  
  
  
  
  
  
- 5) How many grams are in  $5.7 \times 10^{26}$  molecules of dinitrogen hexaiodide?
  
  
  
  
  
  
  
  
  
  
- 6) How many atoms are in 45 grams of ammonium phosphate?

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