

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

Name:

Period: **Seat #:**

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, how many molecules are in 2.3 L?

- 5) How many grams are in 5.7×10^{26} molecules of dinitrogen hexaiodide?

- 6) How many atoms are in 45 grams of NH_3 ?

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