

Notes: 2-Step Conversions

► In chemistry, you will be EXPECTED to use multistep conversions. Multistep conversions allow you to do stoichiometry. Today's notes are on 2-step conversions.

► **Convert 16.2 L of carbon monoxide to grams. Carbon monoxide(CO) is a gas @STP.**

Before you even start, ask yourself what will you need to solve this problem.

- STP equality of _____ to change _____ to _____
- _____ of carbon monoxide to change _____ to _____

► **Convert 27 grams of sulfur dioxide (SO₂) to liters. Sulfur dioxide is a gas @STP.**

Before you even start, ask yourself what will you need to solve this problem.

- _____ of sulfur dioxide to go from _____ to _____
- STP equality of _____ to change _____ to _____

► **Convert 14.3 grams of lithium bromide (LiBr) to molecules.**

Before you even start, ask yourself what will you need to solve this problem.

- _____ of lithium bromide to go from _____ to _____
- _____ to go from _____ to _____

- Convert 7.5 molecules of strontium chloride (SrCl_2) to grams.

Before you even start, ask yourself what will you need to solve this problem.

- _____
- _____

- Convert 457 grams of potassium chloride (KCl) to atoms.

Before you even start, ask yourself what will you need to solve this problem.

- _____
- _____

- 1-Step vs. 2-Steps. You MUST be able to decide which problems are 1-step conversions and which ones are 2-step conversions. This chart will help you in your chemistry work.

NOTE: You will NOT be able to use this chart on quizzes or tests.

1-Step Conversions	2-Step Conversions

- Your Turn. In your notebook right after this page complete the problems that the teacher posts on the Promethean board.