STOICHIOMETRY ROAD MAP

Grams of A

molar mass
(1 mol/# grams)

molar mass
(# grams/1mol)

Grams of B

mole ratio!!!

Particles of A

mols of A

mols of B

Particles of B

Avogradros #
(1 mol/6.02x10^23)

Avogradros #
(6.02x10^23/ 1 mol)

Gas at STP
(1 mol/22.4 L)

Gas at STP
(22.4 L/1mol)

Volume of A

Volume of B

Remember that the only way to determine the amount of B that the given amount of A will produce in a reaction, you have to go through the mole ratio (i.e. the Dexter bridge!) from the balanced chemical equation, but don't get stuck like this truck did!Ask for help when you need it!