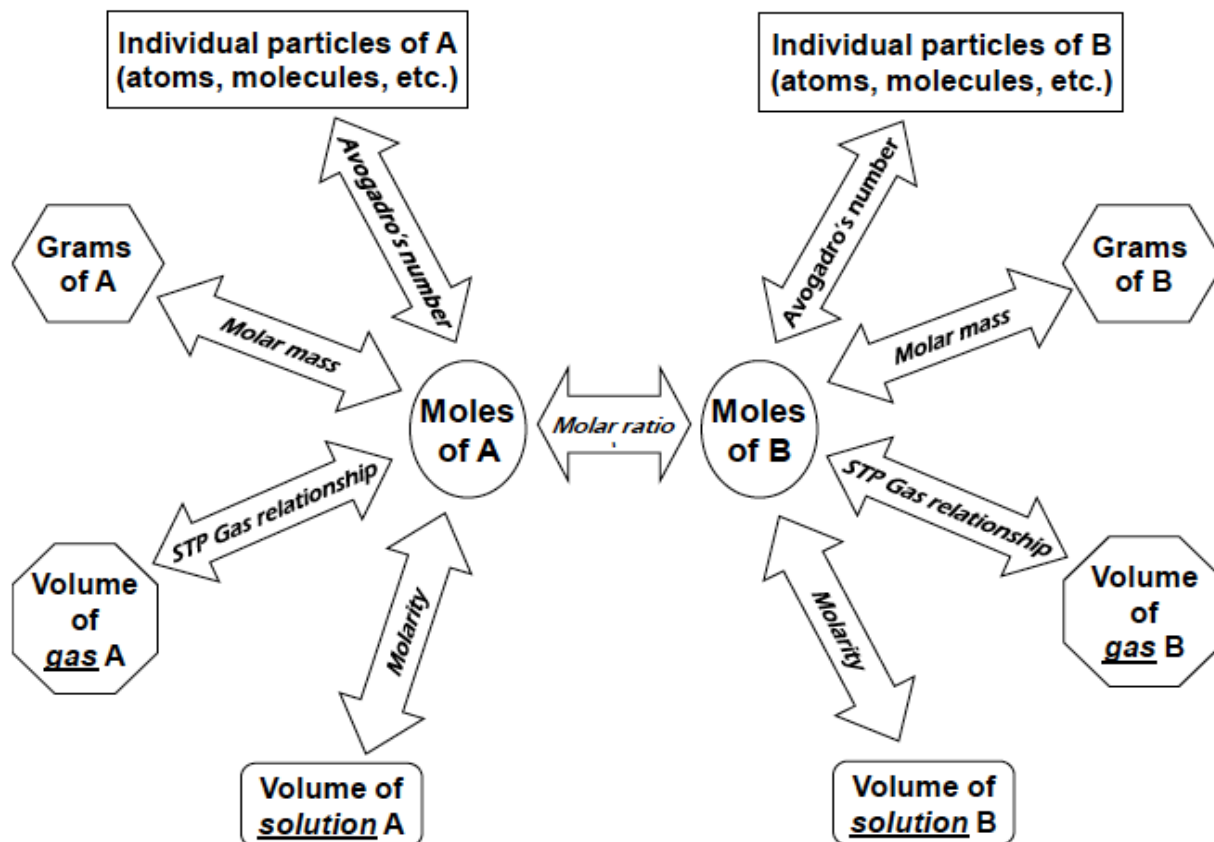


1. Stoichiometry → All Conversions

Stoichiometry → All Conversions

The Mole Wheel



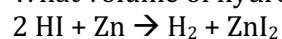
Aluminum metal reacts with the oxygen gas in the air to produce aluminum oxide.

- Write out the balanced equation below:
- If 4.71 grams of aluminum reacted, how many liters of oxygen reacted at STP?
- If 6.14 L of oxygen reacted at STP, how many molecules of the aluminum oxide were produced?

With a special focus on MOLAR CONCENTRATION...

Nickel reacts with silver nitrate to produce nickel (II) nitrate and silver metal. What mass of nickel reacts with silver nitrate in 1.25 L of a 0.15 M solution? Begin by writing a balanced equation.

What volume of hydrogen gas is formed at STP with 150. mL of 0.185M HI acid?



A flask containing 450. mL of 0.500M HBr was accidentally knocked to the floor. How many grams of potassium chromate would you need to put on the spill to completely neutralize the acid? Begin by writing a balanced equation.

