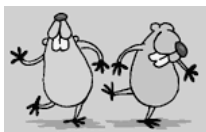


The Mole Part 2



Mass – Particle Conversions

- How many atoms of gold are in 25.0 g of gold?

Mass – Particle Conversions

- How many grams of He are in 5.50×10^{22} atoms of He?

Moles of Compounds

- Freon has the formula CCl_2F_2
- This now gives us new conversion factors

Example

- How many moles of F are in 5.50 mol of CCl_2F_2 ?

Example

- How many moles of Al are in 1.25 mol of Al_2O_3 ?

Example

- How many Cl^- ions are in 35.6 g of AlCl_3 ?

- How many Al^{+3} ions?