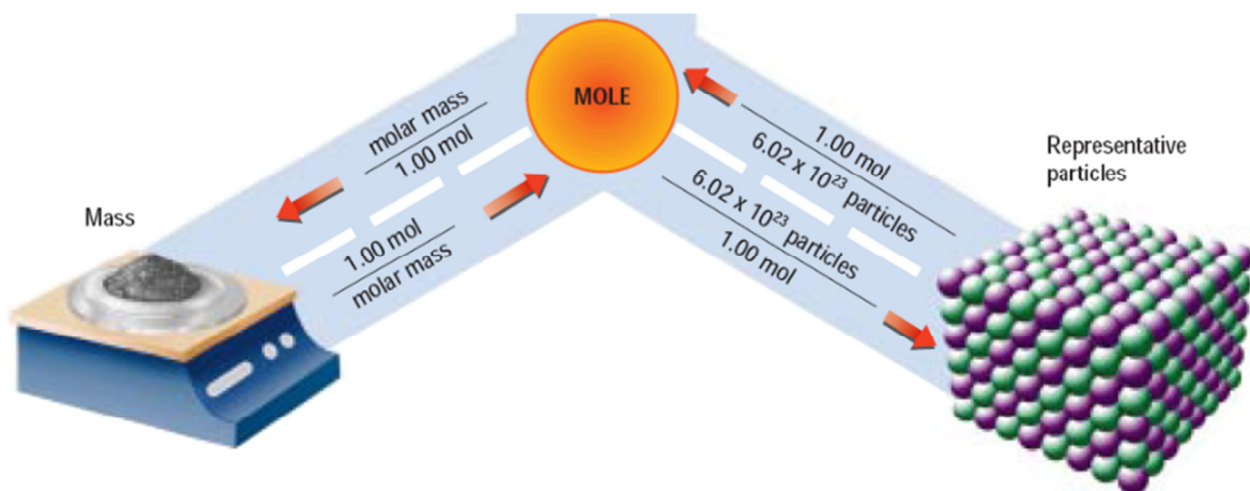


## Mole Conversion Practice



Show all work on separate paper:

- Find the number of moles in each of the following masses.
  - 64.1 g of Al
  - 28.1 g of silicon
  - 56.2 g of silicon
  - 0.255 g of sulfur
- Find the mass of each of the following elements:
  - 1.22 mol sodium
  - 2.44 mol sodium
  - 14.5 mol copper
  - $9.37 \times 10^{-3}$  mol magnesium
- Find the number of moles:
  - $3.01 \times 10^{23}$  atoms of rubidium
  - $8.08 \times 10^{22}$  atoms of krypton
- Find the number of atoms:
  - 1.004 mol bismuth
  - 2.5 mol manganese
  - 54.0 g aluminum
  - 69.45 g lanthanum