

Moles 1

Carry out the following conversions.

(*Note:* Density is listed on the Sargent-Welch Periodic Table)

1) 8.92 moles CO₂ → molecules

2) 58.5 g silver metal → moles

3) 1.45×10^{25} atoms Al → kg Al

4) 100.0 cm³ Fe → mol Fe

5) 32.7 g selenium → mol

6) 3.4×10^{22} Na⁺ ions → mol

7) 87.5 mol hydrogen gas (H₂) → g H₂

8) 25.5 mg CaCl₂ → formula units

9) 8.91×10^{24} atoms zirconium → cm³

10) 552 pg Pt(NO₃)₂ → formula units