

# Mole Calculations

- 1) Convert 43.0 grams of  $\text{SiH}_4$  to moles.
- 2) Convert 7.680 moles of  $\text{PtSe}$  to grams.
- 3) Convert 0.400 moles of  $\text{BF}_3$  to molecules.
- 4) Convert 66.3 grams of  $\text{SiS}_2$  to molecules.
- 5) Convert  $7.41 \times 10^{24}$  molecules of  $\text{C}_2\text{H}_2$  to grams.
- 6) Convert  $4.36 \times 10^{25}$  molecules of  $\text{CH}_3\text{OH}$  to moles.

# Mole Calculations

1) Convert 43.0 grams of  $\text{SiH}_4$  to moles.

**1.34 moles**

2) Convert 7.680 moles of  $\text{PtSe}$  to grams.

**2104 grams**

3) Convert 0.400 moles of  $\text{BF}_3$  to molecules.

**$2.41 \times 10^{23}$  molecules**

4) Convert 66.3 grams of  $\text{SiS}_2$  to molecules.

**$4.33 \times 10^{23}$  molecules**

5) Convert  $7.41 \times 10^{24}$  molecules of  $\text{C}_2\text{H}_2$  to grams.

**321 grams**

6) Convert  $4.36 \times 10^{25}$  molecules of  $\text{CH}_3\text{OH}$  to moles.

**72.4 moles**