

## ***Answers to Practice Problems B***

1. 0.940 mol Xe
2.  $4.796 \times 10^{-9}$  mol AgNO<sub>3</sub>
3.  $4.5 \times 10^{-7}$  mol termites
4. 94.0 mol Li<sup>+</sup>
5.
  - a.  $1.050 \times 10^{-2}$  mol O
  - b.  $5.249 \times 10^{-3}$  mol C
  - c. 3.690 mol O
  - d.  $8.841 \times 10^{-8}$  mol K<sup>+</sup>
  - e.  $3.321 \times 10^{-10}$  mol Cl<sup>-</sup>
  - f.  $6.642 \times 10^{-10}$  mol N
  - g.  $6.641 \times 10^2$  mol O