



- c.  $6.023 \times 10^{23}$  molecules of  $\text{Br}_2$ .
- d.  $6.023 \times 10^{23}$  formula units of KI.
3. What is interesting about the answers you calculated in 2b, 2c, and 2d with regard to the information in 1a, 1b, and 1c respectively?
4. What is the mass of  $6.023 \times 10^{23}$  molecules of  $\text{C}_8\text{H}_{18}$ ?
5. Answer each of the following:
- a. How many atoms of hydrogen in one molecule of  $\text{H}_2\text{O}$ ?
- b. How many atoms of oxygen in one formula unit of  $\text{Pb}(\text{NO}_3)_2$ ?
- c. How many atoms of carbon in 1 mol of  $\text{C}_6\text{H}_{12}\text{O}_6$ ?