# General Chemistry <br> Mr. MacGillivray <br> Practice Problems: Molar Conversions 

1) 15 apples to doz of apples
2) 15 dozen apples to apples
3) 20.0 mol of C to atoms of C
4) 20 atoms of $C$ to mol of C
5) 10.0 lbs of apples to apples, if each apple has a weight of 0.500 lbs .
6) 25 apples to lbs of apples, if each apple has a weight of 0.500 lbs .
7) What is the molar mass of glucose, $\mathrm{C}_{6} \mathrm{H}_{12} \mathrm{O}_{6}$, in $\mathrm{g} / \mathrm{mol}$ ?
8) Convert 10.0 g of glucose to mol .
9) Convert 10.0 mol of glucose to g .
10) Which has a greater mass, 1 mol of $\mathrm{CO}_{2}$ or 25 g of $\mathrm{CO}_{2}$ ?
11) Convert 10.0 g of glucose to molecules of glucose. (Two steps!)
