

General Chemistry  
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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,  $C_6H_{12}O_6$ , in g/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  $CO_2$  or 25 g of  $CO_2$ ?
- 11) Convert 10.0 g of glucose to molecules of glucose. (Two steps!)