1. Balance the equation and calculate how many moles of  $O_2$  are needed to react with 4 moles of  $C_3H_8$ .

2. A compound contains 40% sulfur and 60% oxygen by mass. Find its molecular formula. (Clue: S mass= 32; O=16)

3. How many grams are in 5.0 moles of NaCl? (Molar mass of NaCl=58.44 g/mol)