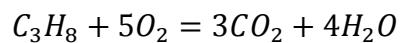


How many moles of oxygen gas react with 6.00 mol of propane C3H8?

Solution:



Five moles of oxygen react with one mole of propane. For six moles of propane it is needed:

$$n(O_2) \text{ (moles)} = 5 \times 6 = 30$$

Answer: 30 moles