

CHAPTER 3	Mass, Moles, and Molar Mass Problems	BLM 3.0.2
ASSESSMENT		

1. The molar mass of a gas is 38.00 g/mol. What mass of this gas contains 4.7 mol?
2. What is the molar mass of an unknown oil if 47.8 g of the oil contains 0.15 mol?
3. What is the molar mass of aluminium sulphate, $\text{Al}_2(\text{SO}_4)_3(\text{s})$?
4. How many moles of glucose, $\text{C}_6\text{H}_{12}\text{O}_6(\text{s})$, are present in 360 g?
5. A butane lighter decreases in mass by 1.26 g as it is used. How many moles of butane, $\text{C}_4\text{H}_{10}(\text{g})$, have been used?