

**General Chemistry**  
**Mr. MacGillivray**  
**Quiz #27:**  
**Gas Stoichiometry**

Solve the following problems, which refer to the chemical equation shown below.  
Show all work.



1. How many liters (at STP) of water vapor can be produced from the complete combustion of 10.0 g of propane gas ( $\text{C}_3\text{H}_8$ )?
  
2. Re-calculate the answer to #1, assuming that the reaction is carried out at 100 degrees Celsius and 1.30 atm of pressure.