1. What is the volume occupied by 5 mol of CO2(g) at STP?
2. How many moles of gas are there inside an empty 250 mL water bottle at STP?
3. How many molecules of O2 are there inside a 2.0 L flask at STP?
4. How many atoms of oxygen are there inside a 2.0 L flask filled with CO2 at STP?
5. What volume at STP is occupied by 0.500 g of O3(g)?
6. What volume at STP is occupied by 9.11 x 1030 molecules of He(g)?