

MOLE CONVERSIONS

- 1) How many grams of Ar are in 2.600 moles?
- 2) If 1070 L of CO₂ is at STP conditions, how many moles is this?
- 3) How many moles are in 5.7×10^{24} atoms of calcium?
- 4) Convert 54.0 g of iron to moles of Fe.
- 5) How many atoms of zinc are equivalent to 0.403 moles of Zn?
- 6) Convert 0.00333 moles of O₂ gas at STP to liters.

1) 103.9 g Ar

3) 9.5 mol Ca

5) 2.43×10^{23} atoms Zn

2) 47.8 mol CO₂

4) 0.967 mol Fe

6) 0.0746 L O₂