Mole-Mass-Volume-Particle Stoichiometry Practice

Given the information listed, fill in the remainder of each row.

Formula of Sample	Formula mass grams/mole	Mass of Sample in grams	Moles of Sample	No. of Particles of Sample	STP volume of gas (Liters)

Gases at STP # of Liters	
Moles	22.4

# of Particles (atoms/molec. etc.)	
6.02×10^{23}	Moles

# of Grams	
Formula Mass	Moles

Cover the quantity in the box you are trying to find---what remains is what you must know an do.

Covering # of Particles in box 2 tells you to multiply 6.02×10^{23} by no. of moles to calculate the no. of particles.