neDate_	Period
Mole Conversion Practice Use your 'Mole Road Map' to perform each of the following conversions.	
How many atoms of C are in 5.778 moles of C? (mole-) particles)
Calculate the number of moles of S in 2.78 x 10 ¹⁸ ator	ms of S. (particles →mole)
Calculate the mass of 12.2 mol of carbon tetrachlorid	e, CCl₄. (mole > grams)
How many moles of H ₂ O are in 450.0 g of H ₂ O? (<i>grams</i>	:-→mole)
What volume in liters would 23.5 moles of CO ₂ gas oc	cupy? (mole →liters)
Find the mass of 8.90 x 10 ⁴⁵ molecules of water? (<i>par</i>	ticles →mole →grams)
)	le Conversion Practice

 8. Calculate the volume in liters that 2.3 g of NO₂ would occupy. (grams →mole →liters) 9. How much would 46.8 L of N₂O₅ weigh in grams? (liters →mole →grams) 10. If a steel gas tank can hold 52.0 L of hydrogen gas, how many molecules of H₂ are in the canister? (liters →mole →molecules) 	7.	If a sample of calcium has a mass of 13.3 grams, how many atoms of calcium are present? (grams → mole → particles)
10. If a steel gas tank can hold 52.0 L of hydrogen gas, how many molecules of H_2 are	8.	
 10. If a steel gas tank can hold 52.0 L of hydrogen gas, how many molecules of H₂ are in the canister? (liters → molecules) 	9.	How much would 46.8 L of N₂O₅ weigh in grams? (liters →mole →grams)
	10.	If a steel gas tank can hold 52.0 L of hydrogen gas, how many molecules of H₂ are in the canister? (liters → molecules)