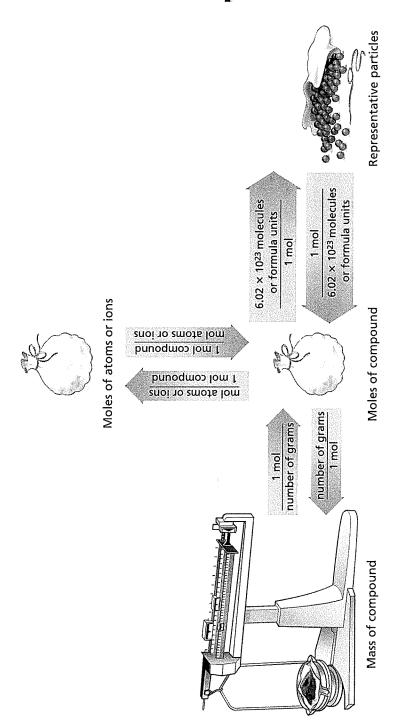
TEACHING TRANSPARENCY MASTER

(34)

Mass-to-Mole and Mole-to-Particles Conversions for Compounds

Use with Chapter 10, Section 10.3



TEACHING TRANSPARENCY WORKSHEET

(34

Mass-to-Mole and Mole-to-Particles Conversions for Compounds

Use with Chapter 10, Section 10.3

_	umber of moles of a compound?
	ccording to the diagram, what <i>three</i> quantities can you calculate from a mass leasurement of a compound?
	you were given the number of moles of a compound, what quantity would you need to now to calculate the mass of that number of moles of the compound?
n	you were given the number of moles of a compound, what information would you eed to know to determine each of the conversion factors necessary to find the number of coles of each atom or ion in the compound?
C	ou are given a 2.0-mol sample of calcium carbonate (CaCO ₃). The molar mass of aCO ₃ is 100.09 g/mol. Write the conversion factor you would use to determine orrectly each of the following quantities. the mass in grams of the sample
c a	aCO ₃ is 100.09 g/mol. Write the conversion factor you would use to determine orrectly each of the following quantities.
c a	aCO ₃ is 100.09 g/mol. Write the conversion factor you would use to determine orrectly each of the following quantities. the mass in grams of the sample