



Cycle 7 Chemistry I Lesson 3 “Counting Atoms” Unit

Convert Moles and Grams

Warmup: One mole of Mg is 24.3 grams. You have 72.9 grams of Mg. How many moles is this?



Classwork:
Mole Calculation Practice WS



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Resources





Calculating Molar Mass

Elements: Look up atomic mass in PT

EXAMPLE: Molar mass of Au is 196.97 g

Compounds: Add up atomic masses

EXAMPLE: Molar mass of H₂O is
 $(2 \times 1.0079) + 15.999 = 18.015 \text{ g}$



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Moles provide “Bridge” between #atoms and Mass

