

Class: Chemistry

Unit 10: Chapter 9

Target: 10-01 Use reaction stoichiometry to calculate volume, number of particles, number of moles, and formula mass.

Score	Description	Student Score
Exceeds Target (Exemplary) <ul style="list-style-type: none">• Deeper more rigorous thinking• Application to real world use, teach another person, use information to solve problems in a different context, explain connections between ideas, demonstrate a unique insight and/or creative application of skills.		
Mastery of Target (Application) Can apply target to new information.	(Bicarbonate Dilemma)	
Proficient in Target <ul style="list-style-type: none">• Expected level of performance for all students• Consistent and Independent	Uses reaction stoichiometry to calculate: <ul style="list-style-type: none">• Volume of a reactant or product• Number of particles of a reactant or product• Number of moles of a reactant or product• Theoretical yield	
Approaching Proficiency <ul style="list-style-type: none">• Basic learning necessary for foundation of target.• Recall questions, fact-based skills, basic applications• Independent, not consistent	Calculate formula mass for a reactant or product. Balance chemical equations. Use dimensional analysis. Use the concept of the mole in calculations.	
Needs Development <ul style="list-style-type: none">• With help, can demonstrate some understanding of target		
No Evidence to Measure		

I can use dimensional analysis to calculate the volume of a reactant or product.

I can use dimensional analysis to calculate the number of particles of a reactant or product.

I can use dimensional analysis to calculate the number of moles of a reactant or product.

I can calculate theoretical yield.