

Stoichiometry

1 Defining Stoichiometry

REVIEW VOCABULARY

reactant

Recall the definition of the Review Vocabulary term.

reactant

NEW VOCABULARY

stoichiometry

Define each New Vocabulary term.

stoichiometry

mole ratio

mole ratio

Explain the importance of the law of conservation of mass in chemical reactions.

Get It? **List** the types of relationships that can be derived from the coefficients in a balanced chemical equation.

Stoichiometry

2 Stoichiometric Calculations

REVIEW VOCABULARY

chemical reaction

Recall the definition of the Review Vocabulary term.

chemical reaction

Identify the tools needed for stoichiometric calculations.

All stoichiometric calculations start with _____ based on a

_____. Finally, _____

are required.

Stoichiometry

3 Limiting Reactants

REVIEW VOCABULARY

molar mass

Recall the definition of the Review Vocabulary term.

molar mass

NEW VOCABULARY

limiting reactant

excess reactant

Define each New Vocabulary term.

limiting reactant

excess reactant

Stoichiometry

4 Percent Yield

REVIEW VOCABULARY

process

Recall the definition of the Review Vocabulary term.

process

NEW VOCABULARY

theoretical yield

actual yield

percent yield

Define each New Vocabulary term.

theoretical yield

actual yield

percent yield

Write the formula for percent yield.

$$\frac{\text{_____ (from an experiment)}}{\text{_____ (from stoichiometric calculations)}} \times \text{_____} = \text{percent yield}$$