

Unit 8: Stoichiometry

Name: _____
Text Questions from Wilbraham, et. al.

- 12.1
1. Like a recipe, a balanced chemical equation provides what kind of information?
 2. A balanced chemical equation tells you what two things?
 3. When you know the quantity of one substance in a reaction, you can calculate...
 4. What is stoichiometry?
 5. What is the most important information that a balanced chemical equation provides?
 6. Does the total number of moles of reactants necessarily equal the total number of moles of product?
 7. What two things are conserved in every chemical reaction?
- 12.2
8. What is essential for all calculations involving amounts of reactants and products?
 9. What are used to convert between moles of one substance and moles of another?
 10. In the laboratory, the amount of a substance is usually determined by measuring...
 11. What can you calculate from the mole ratios?
- 12.3
12. To make a new dish, cooks know that WHAT must be available?
 13. A balanced equation is a chemist's...
 14. What does the limiting reagent determine?

15. What is the excess reagent?

16. What is the first step in the solution?

17. What can be determined from the given amount of limiting reagent?

18. The limiting reagent is NOT necessarily the one that...

19. What is the theoretical yield?

20. What is the actual yield?

21. What is the percent yield?

22. Write the equation for percent yield.

23. The percent yield is a measure of what?

24. List two factors that cause percent yields to be less than 100%.