

Unit 3 Study Guide

Name _____

TEST: THURSDAY, MARCH 31

1. What is the difference between reactants and products?
2. What is the difference between a chemical formula and chemical equation?
3. What does the law of conservation of matter state?
4. What is a subscript?
5. What is a coefficient?
6. What is the difference between chemical and physical changes?

Unit 3 Study Guide

Name _____

7. What is a precipitate?

On the lines below, write a P if the description is a physical change, and write a C if the description is a chemical change (10 points).

_____ 8. An odor is produced

_____ 13. The shape changes

_____ 9. Energy is released

_____ 14. The state of matter changes

_____ 10. The density changes

_____ 15. The color changes

_____ 11. The mass changes

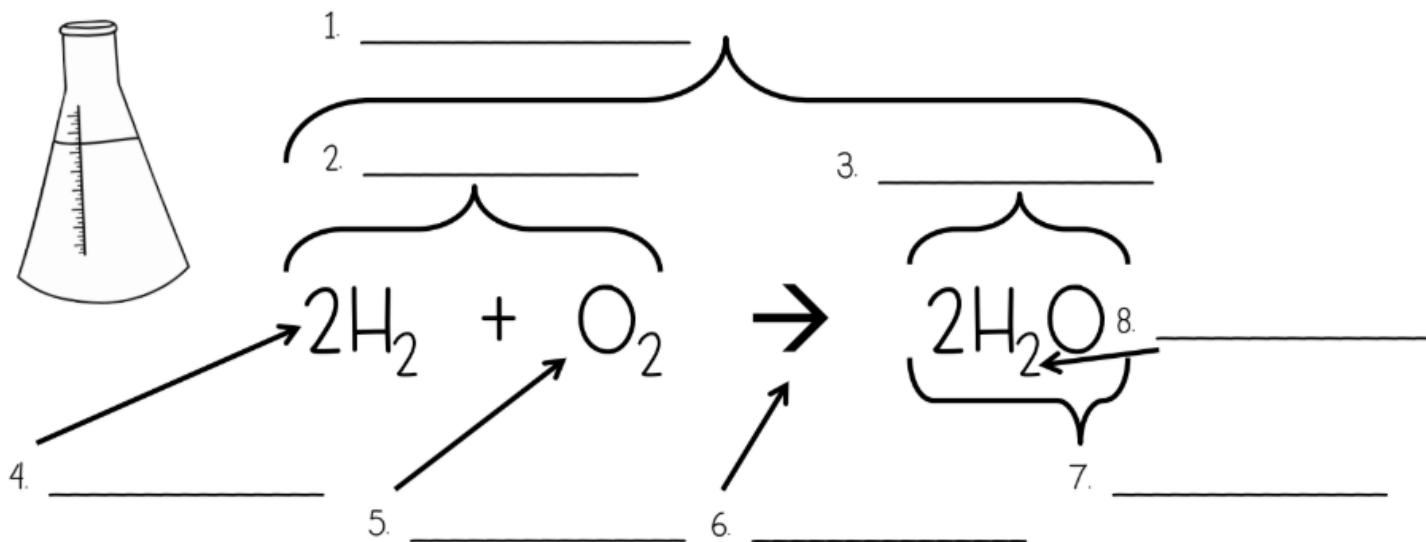
_____ 16. A precipitate forms

_____ 12. The volume changes

_____ 17. A gas appears

Label: Label the diagram below with the following words: coefficient, subscript, reactant, product, chemical equation, chemical formula, yields, chemical symbol

18.



19. What are the steps in balancing a chemical equation?