

Physical Science

Chapter 21 Reading Quiz

Name: _____

1. A _____ is a change in which one or more substances are converted into new substances.
2. Lavoisier confirmed that in a chemical reaction that matter is not _____ or _____ but is conserved.
3. What organization is responsible for naming new elements?

4. A _____ is a way to describe a chemical reaction using chemical formulas and other symbols.
5. What does the symbol (aq) stand for? _____
6. When iron is exposed to air and moisture, it _____ or rusts, forming hydrated iron (III) oxide.
7. _____ an equation doesn't change what happens in a reaction, it simply changes the way the reaction is represented.
8. _____ combines with oxygen, giving an intense white light.
9. How many categories of chemical reactions are there? _____
10. A _____ reaction occurs when a substance reacts with oxygen to produce energy in the form of heat and light.
11. Water _____ into hydrogen and oxygen when an electric current is passed through it.
12. Most _____ reactions require the use of heat, light, or electricity.
13. When one element replaces another element in a compound, it is called a _____ reaction.
14. A _____ reaction takes place if a precipitate, water, or a gas forms when compounds are combined.
15. What is the least reactive metal? _____
16. All chemical reactions _____ or _____ energy.
17. When most chemical reactions take place, some chemical _____ in the reaction are broken, which requires energy.
18. Who developed the first liquid fueled rocket? _____
19. How much thrust does the space shuttle produce? _____
20. Wood burning and the explosion of dynamite are _____ reactions.
21. A cold pack contains ammonium nitrate and _____.
22. What type of reaction is created when barium hydroxide is combined with ammonium chloride? _____
23. Name a metal that is used as a catalyst in the exhaust system of cars. _____
24. What is a substance that speeds up a chemical reaction called? _____
25. Food preservatives are _____ that prevent spoilage of certain foods.