

Chemical Bonding, Reactions, and Compounds Study Guide

Answers

1. electrons
2. 8
3. the number of electrons in the outermost energy level
4. group
5. valence electron
6. ions
7. ionic bond
8. In ionic bonds electrons are transferred and in covalent bonds electrons are shared.
9. low
10. high
11. does not
12. atomic number
13. malleability
14. a new substance is formed

15. precipitate

16. energy cannot be created or destroyed

17. 5

18. 1

19. friction

20. They are never lost or gained, just rearranged

21. all atoms must be counted

22. 2NH_3

23. 6

24. 5

25. $2\text{Na} + \text{Cl}_2 \Rightarrow 2\text{NaCl}$

26. energy is taken in

27. $2\text{H}_2\text{O} + \text{energy} \Rightarrow 2\text{H}_2 + \text{O}_2$

28. an inhibitor

29. base

30. acids

31. It could be corrosive

32. blue

33. base

34. they neutralize each other

35. indicators

36. neutral

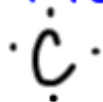
37. 4 because it is acidic

38. strong acid

39. 2



40. 4 valence electrons and needs 4 electrons to fill level



41. 6 valence electrons and needs 2 electrons to fill level

