

Physical Science

Chapter 20 Reading Quiz

Name: _____

1. _____ is a shiny, soft, silvery metal that reacts violently with water.
2. What is the chemical name for vinegar? _____
3. Atoms of _____ gases are unusually stable.
4. Hydrogen and helium can hold a maximum of _____ electrons in their outer energy level.
5. Atoms with partially stable outer energy levels can _____, _____, or _____ electrons to obtain a stable outer energy level.
6. In the compound water, each _____ atom needs one electron to fill its outer energy level.
7. A _____ is the force that holds atoms together in a compound.
8. An atom that has lost or gained electrons is called a/an _____.
9. A/an _____ atom has seven electrons in its outer energy level.
10. In a/an _____ a transfer of electrons takes place.
11. _____ bonds are formed by bonding between metals and nonmetals.
12. A _____ bond is made up of two shared electrons.
13. Many _____ compounds are liquid or gases at room temperature.
14. Part of the strength of attraction has to do with how far away from the _____ the electron is being shared.
15. The term _____ means having opposite ends.
16. Two atoms that are exactly alike can share their electrons equally, forming a _____ molecule.
17. If a compound is composed of two different elements it is said to be a _____ compound.
18. For ionic compounds the _____ is the same as the charge on the ion.
19. What is the common oxidation number for the elements of the oxygen family?

20. A formula must have the right number of _____ ions and the right number of _____ ions so the charges balance out.
21. The term _____ means having many atoms.
22. What is the charge on the hydroxide polyatomic ion? _____
23. The term _____ comes from the term that means water.
24. _____ compounds are those formed between elements that are nonmetals.
25. What does the prefix tetra stand for? _____