

Name _____

Compounds

Read each term or statement. If it names or describes a compound, write a "C" on the line next to it. If it does not name or describe a compound, write "NC."

1. The item can be broken down into simpler substances through chemical changes. _____
2. The item has different properties than the elements that combine to form it. _____
3. The elements that join to form the item are in a random ratio. _____
4. The item can easily be separated by physical changes into simpler substances. _____
5. Oxygen _____
6. Table salt _____
7. The item can be formed by ionic bonds, covalent bonds, or a combination of bonds. _____
8. The item has the same exact properties as the elements that join to form it. _____

Read the descriptions and formulas below. Write the number of each one in the correct box to tell whether it names or describes an ionic or a covalent bond.

Ionic Bond	Covalent Bond

- ~~9.~~ This type of bond usually occurs between two nonmetals.
- ~~10.~~ This type of bond usually occurs between a metal and a nonmetal.
- ~~11.~~ This bond is created by oppositely charged ions that transfer one or more electrons to create the bond.
- ~~12.~~ This bond is created by atoms that share electrons to create the bond.
- ~~13.~~ NaCl
14. H₂O
15. MgCl₂
16. CO₂
17. CH₄

18. Compare and contrast a compound and a mixture. _____

