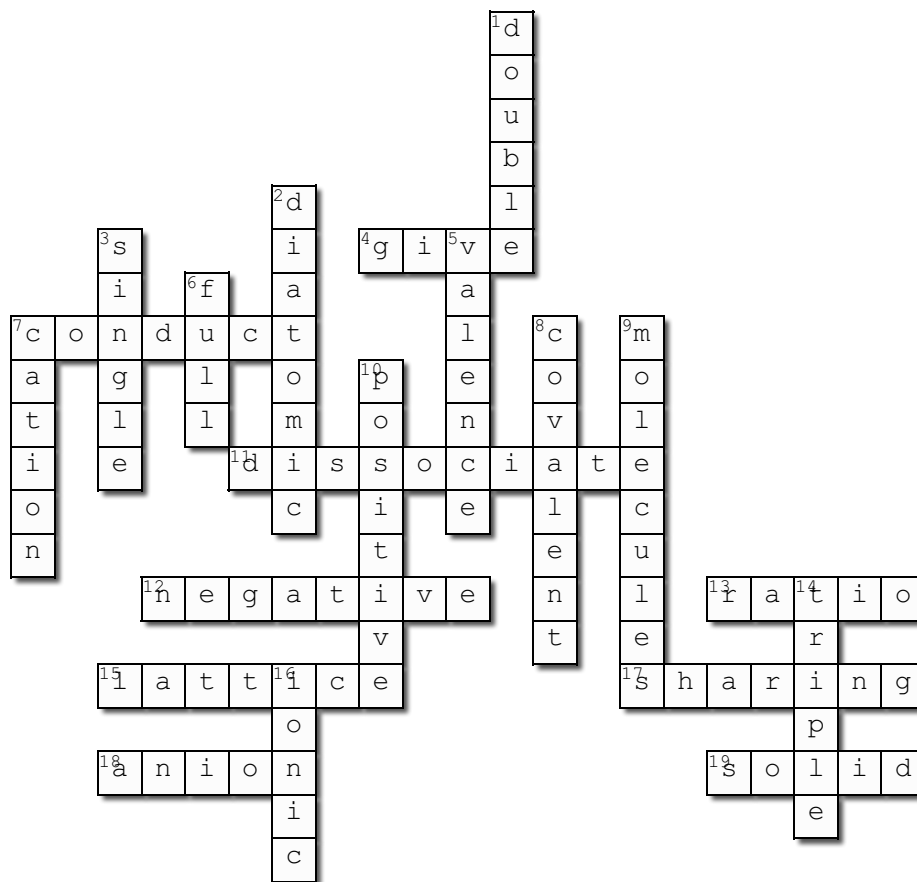


Ionic and Covalent Compounds

Complete the crossword puzzle below



Created using the Crossword Maker on TheTeachersCorner.net

Across

4. Metals _____ electrons to non-metals. (**give**)
7. When ionic compounds are placed in water, they _____ electricity. (**conduct**)
11. What happens to ions in an ionic compound when placed in water. (**dissociate**)
12. An atom that receives an electron has a _____ charge. (**negative**)
13. The chemical formula for an ionic compound gives the _____ of atoms in the crystal. (**ratio**)
15. Ion arrangement in an ionic compound. (**lattice**)
17. Covalent bonds are formed through a _____ of electrons. (**sharing**)
18. Negatively charge ion. (**anion**)
19. State of ionic compounds. (**solid**)

Down

1. Sharing two pairs of electrons creates a _____ bond. (**double**)
2. Compound made by covalently bonding identical atoms. (**diatomic**)
3. Sharing a pair of electrons creates a _____ bond. (**single**)
5. Electrons found in the outer shell (**valence**)
6. Atoms react in order to get a _____ outer shell. (**full**)
7. Positively charged ion. (**cation**)
8. Bond between a metal and a non-metal. (**covalent**)
9. Covalent compounds form _____ (particles arranged in specific shapes). (**molecules**)
10. An atom that gives away an electron has a _____ charge. (**positive**)
14. Sharing three pairs of electrons creates a _____ bond. (**triple**)
16. Bond between a metal and a non-metal. (**ionic**)