

Name _____ Date _____

Ionic and Covalent Bonds

Ionic bonds

Example:



Use the example above to help you create similar diagrams below.



4. Oxygen forms an ionic compound with two sodium atoms

5. Calcium forms an ionic compound with two chlorine atoms

6. Magnesium forms an ionic compound with two fluorine atoms

Covalent Bonds

Examples:



In writing Lewis structures for atoms that have bonded, the pair of valence electrons that form the bond can be represented by a line between the atoms.

Use the examples above to help you create similar diagrams with atoms below.



10. Oxygen forms a covalent compound with two hydrogen atoms

11. Carbon forms a covalent compound with four hydrogen atoms

12. Carbon forms a covalent compound with two oxygen atoms