



Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Ionic compound

Nonpolar covalent molecule

Polar covalent molecule

Polar covalent bond

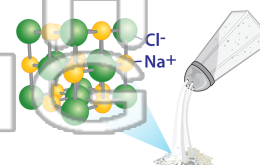
Atom

Nonpolar covalent bond

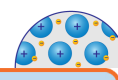
Metallic bond

Molecule

1. _____ - a compound consisting of ions that have bonded together; ionic compounds form crystals with high melting points



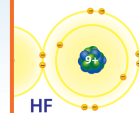
2. _____ - an attraction between positive metal ions; valence electrons float freely over the metal ions



3. _____

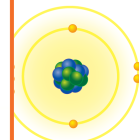


4. _____ diatomic

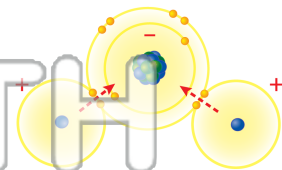


5. _____

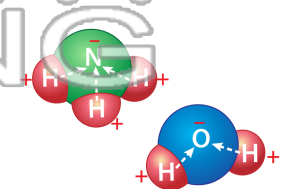
PREVIEW
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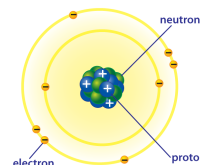
6. _____ - a covalent bond where electrons are shared unequally; water and carbon dioxide form polar covalent bonds



7. _____ - a molecule with polar bonds that has a structure that gives the molecule a positive and negative side; water is a polar covalent molecule



8. _____ - the building blocks of all matter; atoms are composed of protons, neutrons, and electrons





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Polar covalent bond

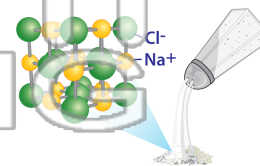
Atom

Nonpolar covalent bond

Metallic bond

Molecule

1. **ionic compound** - a compound consisting of ions that have bonded together; ionic compounds form crystals with high melting points



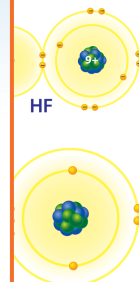
2. **metallic bond** - an attraction between positive metal ions; valence electrons float freely over the metal ions



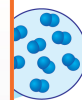
3. **molecule**



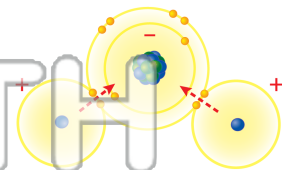
4. **nonpolar covalent molecule** - a molecule where electrons are shared equally; carbon tetrachloride is a nonpolar covalent molecule



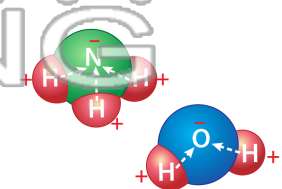
5. **nonpolar covalent bond** - a bond where electrons are shared equally; oxygen gas (O₂) is a nonpolar covalent bond



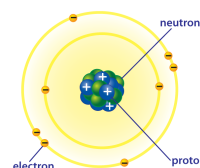
6. **polar covalent bond** - a covalent bond where electrons are shared unequally; water and carbon dioxide form polar covalent bonds



7. **polar covalent molecule** - a molecule with polar bonds that has a structure that gives the molecule a positive and negative side; water is a polar covalent molecule



8. **atom** - the building blocks of all matter; atoms are composed of protons, neutrons, and electrons



PREVIEW

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