Atoms and Chemical Bonding

CHEM

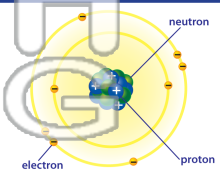
Name_____ Class_____ Date_____

Match each of the following terms to its definition:

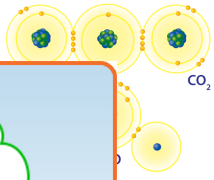
Covalent bond | Ionic compound | Ion | Electron dot diagram

Atom | Ionic bond | Diatomic molecule | Metallic bond

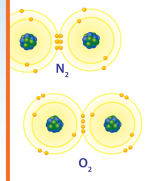
1. _____ - the building blocks of all matter; atoms are composed of protons, neutrons, and electrons



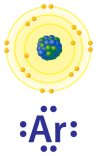
2. _____ - a chemical bond formed when two atoms share electrons; covalent bonds can be polar or nonpolar



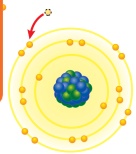
3. _____ that are bromine,



4. _____ represen element



5. _____ gaining



PREVIEW

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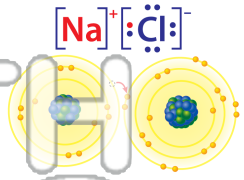
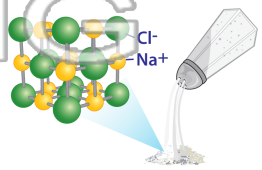
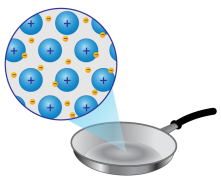
6. _____ - a force of attraction between two oppositely charged ions; metals form ionic bonds with nonmetals



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



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



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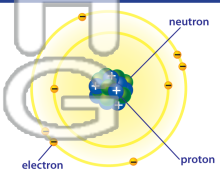

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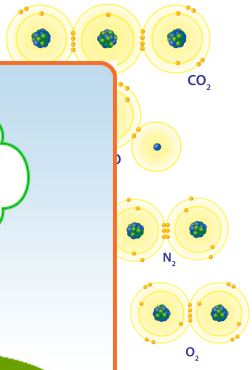
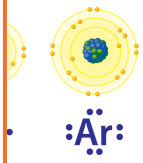
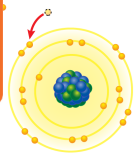


3. diato
element
chlorine,

4. electr
atom; do
symbol f



5. ion - a
losing el



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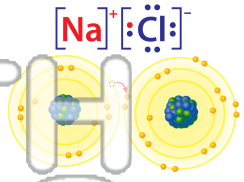

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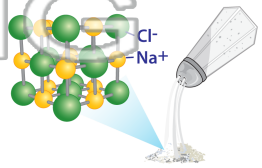

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