

Name: _____ Date: _____
Chemistry

Worksheet

Chemical Bonding II



DIRECTIONS: Write the best term for each statement on the blank.

- | | |
|--|----------------------|
| _____ 1. the smallest unit of a covalent compound | A. chemical bond |
| _____ 2. a force of attraction formed by a <u>transfer of electrons</u> | B. covalent bond |
| _____ 3. the smallest unit of an <u>ionic</u> compound | C. electronegativity |
| _____ 4. a force of attraction formed by the <u>sharing of electrons</u> | D. formula unit |
| _____ 5. the gaining or losing of electrons to get a noble gas valence | E. ionic bond |
| _____ 6. the measure of an atom's ability to <u>attract electrons</u> | F. James Bond |
| _____ 7. the force of attraction that allows atoms to act as a unit | G. molecule |
| _____ 8. has a license to kill | H. octet rule |

DIRECTIONS: Write the formula of the ion formed by the following atoms. (H⁺)

_____ Ca _____ N _____ S _____ F _____ Na _____ O

DIRECTIONS: Determine if the following are predominately **(I)onic** or **(C)ovalent**.

_____ HCl _____ SO₂ _____ Li₂O _____ H₂O _____ Na₂S

DIRECTIONS: List 3 characteristics of an ionic compound.

DIRECTIONS: List 3 characteristics of a covalent compound.

**"At the end of each day, you should play back the tapes of your performance.
The results should either applaud you or prod you."**

-- Jim Rohn