

### Ionic OR Molecular

Determine whether each of the following phrases describes ionic compounds, covalent compounds, or both.

- a. electrons lost from one element are gained by a different element
- b. electrons are shared between nonmetals
- c. may be solids, liquids, or gases
- d. solutions do not conduct electric current
- e. conduct electricity in the liquid state
- f. form solutions that can conduct electric current
- g. individual molecules
- h. crystal lattice of alternating cations and anions
- i. two or more nonmetals
- j. usually involve a metal and a nonmetal
- k. attraction occur between particles with opposite charges
- l. two atoms attract at least one pair of valence electrons
- m. do not conduct electric current in the solid state
- n. compounds are always solids
- o. may be soluble or have low solubility in water
- p. may be insoluble in water
- q. have very high melting points