

NAME: _____

Lewis Dot Structures Activity 1

Lewis Dot Structures (Electron Dot Structures)

Lewis Dot Structures are a tool for representing the arrangement of valence electrons around atoms in chemical substances. We are going to use Lewis dot structures to understand the difference between covalent bonds and ionic bonds. First let us make Lewis Dot Structures for common atoms and ions:

a. H	b. Li
c. H^{1+}	d. Li^{1+}
e. Cl	f. Cl^{1-}
g. O^{2-}	h. Ne

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Lewis Dot Structures Activity 2

Lewis Dot Structures for Substances Containing Ionic Bonds: For each of the hypothetical chemical reactions below please draw Lewis Dot Structure for each of the participants.

