

Name: _____

Date: _____

Student Exploration: Covalent Bonds

Vocabulary: covalent bond, diatomic molecule, Lewis diagram, molecule, noble gases, nonmetal, octet rule, shell, valence, valence electron

Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

1. There are eight markers in a full set, but Flora and Frank each only have seven markers. Flora is missing the red marker, and Frank is missing the blue marker.

What can they do so that each has a full set of markers? **They can share the markers.**

2. Otto and Olivia each have six markers. Otto is missing the purple and green markers, and Olivia is missing the black and brown markers. What can they do so that each has a full set?

They can give the ones they need to each other.

Gizmo Warm-up

Just like the students described above, **nonmetal** atoms can share electrons. As you will see in the *Covalent Bonds* Gizmo, atoms form bonds in this way.

To begin, check that **Fluorine** is selected from the **Select a substance** menu. Click **Play** () to see the electrons orbiting the nucleus of each atom.



1. The outermost electrons in each atom are called **valence electrons**. How many valence electrons does each fluorine atom have? _____7_____
2. Click **Pause** (). Drag an electron from the left atom to the right atom. Click **Play**.
What happens? **They share an electron.**
3. Click **Pause**, drag an electron from the right atom to the left, and then click **Play**.
What happens now? **They share another one.**

Gizmos Covalent Bond Answer

CO Houle



Gizmos Covalent Bond Answer:

Enjoying the Track of Term: An Psychological Symphony within **Gizmos Covalent Bond Answer**

In a global consumed by monitors and the ceaseless chatter of fast communication, the melodic elegance and mental symphony developed by the written term frequently diminish in to the backdrop, eclipsed by the persistent noise and interruptions that permeate our lives. But, set within the pages of **Gizmos Covalent Bond Answer** an enchanting fictional value brimming with organic feelings, lies an immersive symphony waiting to be embraced. Constructed by a wonderful musician of language, that charming masterpiece conducts viewers on an emotional trip, skillfully unraveling the concealed tunes and profound influence resonating within each carefully crafted phrase. Within the depths of this touching evaluation, we shall examine the book is key harmonies, analyze its enthralling publishing type, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

<https://staging.conocer.cide.edu/data/Resources/HomePages/fatto%20in%20casa%20autenticos%20platos%20italianos.pdf>

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