

Name: Answer Key Date: \_\_\_\_\_ Per.: \_\_\_\_\_

# Covalent Bond Practice

1. Fill in the missing information on the chart.

Element	# of Protons	# of Electrons	# of Valence Electrons	# of electrons to fill outer shell.
Carbon	6	6	4	4
Hydrogen	1	1	1	1
Chlorine	17	17	7	1
Helium	2	2	2	0
Phosphorus	15	15	5	3
Oxygen	8	8	6	2
Sulfur	16	16	6	2
Nitrogen	7	7	5	3

2. For each of the following covalent bonds:

- Write the symbols for each element.
- Draw a Lewis Dot structure for the valence shell of each element.
- Rearrange the electrons to pair up electrons from each atom.
- Draw circles to show the sharing of electrons between each pair of atoms.
- Draw the bond structure using chemical symbols and lines. Use one line for each pair of electrons that is shared.
- Write the chemical formula for each molecule.

a) Hydrogen + Hydrogen



b) Chlorine + Chlorine



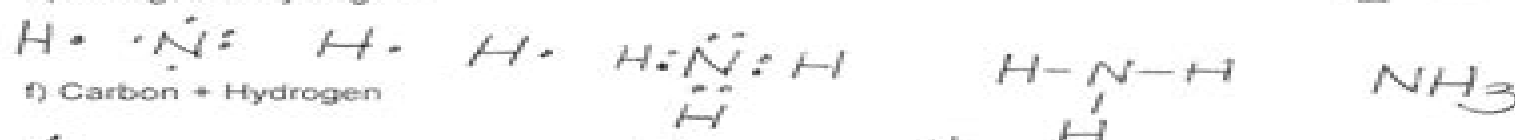
c) Hydrogen + Chlorine



d) Hydrogen + Oxygen



e) Nitrogen + Hydrogen



f) Carbon + Hydrogen



## Lesson 20 Covalenr Bonds Answer

**Career Point Kota**



## Lesson 20 Covalent Bonds Answer:

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## The Enigmatic Realm of **Lesson 20 Covalenr Bonds Answer**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Lesson 20 Covalenr Bonds Answer** a literary masterpiece penned by a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of those who partake in its reading experience.

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