

6. What type of bond(s) were formed in the compound from question #4?

*Ionic Bond*

7. Draw the bond(s) that will form between P and Cl.



8. What is the formula for the compound formed in question #7?



9. What type of bond(s) were formed in the compound from question #7?

*Covalent Bond*

10. Draw the correct valence electron configuration for each atom given.

<i>H</i>	<i>I</i>	<i>Ca</i>	<i>Al</i>
<i>Ne</i>	<i>Ge</i>	<i>B</i>	<i>K</i>
<i>Li</i>	<i>Si</i>	<i>C</i>	<i>Xe</i>

11. Fill in the table with the correct values.

Element	# valence electrons	# covalent bonds able to be formed
H	<i>1</i>	<i>1</i>
He	<i>2</i>	<i>0</i>
C	<i>4</i>	<i>4</i>
Cl	<i>7</i>	<i>1</i>
Ar	<i>8</i>	<i>0</i>
O	<i>6</i>	<i>2</i>
N	<i>5</i>	<i>3</i>
P	<i>5</i>	<i>3</i>

*8 - Valence e<sup>-</sup> Correct*

# Teacher Guide Covalent Bond Answer Key

**Kevin T. Patton, Victoria Schauf**



## Teacher Guide Covalent Bond Answer Key:

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