

Name \_\_\_\_\_ Period \_\_\_\_\_

College Prep Chemistry of the Earth System

Assignment 4K

30 Points

Single Covalent Bonding with Lewis Dot Structures

Complete the following problems but copying and completing chart. Top box is the Lewis Dot Structure, bottom box is the structural formula

1. Br<sub>2</sub> (Br – Br)

<i>Lewis Dot Structure</i>
Br      Br
<i>Structural Formula</i>
Br      Br

2. H<sub>2</sub> (H – H)

<i>Lewis Dot Structure</i>
H      H
<i>Structural Formula</i>
H      H

3. BrCl (Br – Cl)

<i>Lewis Dot Structure</i>
Br      Cl
<i>Structural Formula</i>
Br      Cl

4. F<sub>2</sub> (F – F)

<i>Lewis Dot Structure</i>
F      F
<i>Structural Formula</i>
F      F

5. HCl (H – Cl)

<i>Lewis Dot Structure</i>
H      Cl
<i>Structural Formula</i>
H      Cl

6. HBr (H – Br)

<i>Lewis Dot Structure</i>
H      Br
<i>Structural Formula</i>
H      Br

