


Chemistry
Ionic Bonding Worksheet

Name _____

Date _____

Draw the dot diagrams for each element in the compound

| | |
|---|------------------------------------|
| 1. NaCl EXAMPLE  | 7. Li ₂ O |
| 2. CaO | 8. Ag ₃ P |
| 3. AlN | 9. Ba ₃ N ₂ |
| 4. MgS | 10. Al ₂ O ₃ |
| 5. FeCl ₂ | 11. ZnI ₂ |
| 6. CoF ₃ | 12. Au ₂ S ₃ |

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What compound would you get by combining the following ions?

| | |
|---|---|
| 1. Li^+ and F^- | 7. Mg^{+2} and Br^- |
| 2. K^+ and O^{-2} | 8. Sn^{+2} and F^- |
| 3. Ba^{+2} and Cl^- | 9. Sn^{+4} and F^- |
| 4. Cu^+ and P^{-3} | 10. Pb^{+2} and O^{-2} |
| 5. Fe^{+3} and O^{-2} | 11. Pb^{+4} and O^{-2} |
| 6. Be^{+2} and N^{-3} | 12. Hg^{+2} and CO_3^{-2} |