

Name key Period All

**Quiz 12 – Lewis Dot Structures**

20 Points

Complete the following problems with neutral and ion Lewis Dot Structures

| Element               | Valence e <sup>-</sup>     | Neutral Atom Dot Structure | Ion Dot Structure  |
|-----------------------|----------------------------|----------------------------|--------------------|
| <b>Rb</b><br>Rubidium | 1                          | $\text{Rb}^\circ$          | $[\text{Rb}]^{1+}$ |
|                       | Ion Charge                 |                            |                    |
|                       | +1                         |                            |                    |
|                       | Lose/Gain # e <sup>-</sup> |                            |                    |
|                       | lose 1 e <sup>-</sup>      |                            |                    |
|                       |                            |                            |                    |
| Element               | Valence e <sup>-</sup>     | Neutral Atom Dot Structure | Ion Dot Structure  |
| <b>Se</b><br>Selenium | 6                          | $\text{Se}^\circ$          | $[\text{Se}]^{2-}$ |
|                       | Ion Charge                 |                            |                    |
|                       | -2                         |                            |                    |
|                       | Lose/Gain # e <sup>-</sup> |                            |                    |
|                       | gain 2 e <sup>-</sup>      |                            |                    |
|                       |                            |                            |                    |

Name key Period All

**Quiz 12 – Lewis Dot Structures**

20 Points

Complete the following problems with neutral and ion Lewis Dot Structures

| Element                | Valence e <sup>-</sup>     | Neutral Atom Dot Structure | Ion Dot Structure  |
|------------------------|----------------------------|----------------------------|--------------------|
| <b>Sr</b><br>Strontium | 2                          | $\text{Sr}^\circ$          | $[\text{Sr}]^{2+}$ |
|                        | Ion Charge                 |                            |                    |
|                        | +2                         |                            |                    |
|                        | Lose/Gain # e <sup>-</sup> |                            |                    |
|                        | lose 2 e <sup>-</sup>      |                            |                    |
|                        |                            |                            |                    |
| Element                | Valence e <sup>-</sup>     | Neutral Atom Dot Structure | Ion Dot Structure  |
| <b>Br</b><br>Bromine   | 7                          | $\text{Br}^\circ$          | $[\text{Br}]^{1-}$ |
|                        | Ion Charge                 |                            |                    |
|                        | -1                         |                            |                    |
|                        | Lose/Gain # e <sup>-</sup> |                            |                    |
|                        | gain 1 e <sup>-</sup>      |                            |                    |
|                        |                            |                            |                    |