

Section 4.3 (page 111)

Key

Complete the following assignment in your class notebook with the heading: Noble Gas Notation

1.) Iron

Noble gas notation: $[Ar] 4s^2 3d^6$

2.) Silver

3.) Lead

Noble gas notation: $[Xe] 6s^2 4f^{14} 5d^{10} 6p^2$

4.) Zirconium

5.) Manganese with a +3 charge ($\#e^- = \underline{22}$)

Noble gas notation: $[Ar] 3d^4$

6.) Arsenic with a -3 charge ($\#e^- = \underline{36}$)

7.) Strontium with a +2 charge ($\#e^- = \underline{36}$)

Noble gas notation: $[Ar] 4s^2 3d^{10} 4p^6$

8.) Tellurium with a -1 charge ($\#e^- = \underline{53}$)