**Ch. 2 Ions/Isotopes Practice**

1.Fill in the missing information:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Symbol | Z | A | protons | electrons | neutrons |
| S | 16 | 34 | 16 | 16 | 18 |
| W | 74 | 186 | 74 | 74 | 112 |
| Ni | 28 | 63 | 28 | 28 | 35 |
| Pt | 78 | 195 | 78 | 78 | 117 |

2. Determine the number of electrons and protons in the following ions:

a. Fe3+ p = \_\_\_26\_\_\_\_\_ e- = \_\_\_23\_\_\_\_\_

b. Se2- p = \_\_\_34\_\_\_\_\_ e- = \_\_\_\_36\_\_\_\_

3. name an element from the groups:

a. Noble gas \_\_\_­­­­\_Neon\_\_\_\_\_\_\_\_

b. Alkali metal \_\_\_\_Potassium\_\_\_\_

c. Transition metal \_\_\_\_Zinc \_\_\_\_\_\_\_\_\_

d. Halogen \_\_\_\_Bromine \_\_\_\_\_

e. Alkaline earth metal \_\_\_\_Radium \_\_\_\_\_\_

f. metalloid \_\_\_\_Polonium\_\_\_\_\_