

Orbital Notation Practice

Name: _____

General Chemistry

Date: _____ Hour _____

Answer the following questions and assume all atoms are neutral in charge.

1) What is the complete electron configuration of beryllium (Be) = _____

How many valence electrons does Be have? _____

Draw the orbital diagram for beryllium:

2) What is the complete electron configuration of calcium (Ca) = _____

How many valence electrons does Ca have? _____

Draw the orbital diagram for calcium:

3) What is the complete electron configuration of cobalt (Co) = _____

How many valence electrons does Co have? _____

Draw the orbital diagram for cobalt:

4) What is the complete electron configuration of arsenic (As) = _____

How many valence electrons does As have? _____

Draw the orbital diagram for arsenic:

5) What is the complete electron configuration of Niobium (Nb) = _____

How many valence electrons does Nb have? _____

Draw the orbital diagram for niobium:

6) What is the complete electron configuration of cesium (Cs) = _____

How many valence electrons does Cs have? _____

Draw the orbital diagram for cesium:

7) What is the complete electron configuration of Tin (Sn) = _____

How many valence electrons does Sn have? _____

Draw the orbital diagram for tin :