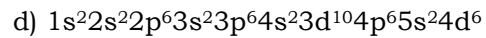
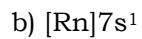
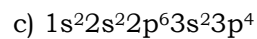
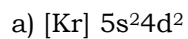


Quantum Numbers

Name: _____

1) Determine the element from the electron configurations and give the quantum numbers:



2) Write the electron configuration and give the quantum numbers of the outermost electron for the following atoms:

a) calcium

b) cadmium

c) krypton

d) holmium

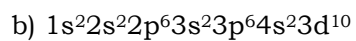
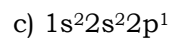
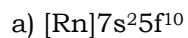
3) Write the electron configuration for the following ions, and do orbital diagrams for each:

a) F^{-1} b) Mg^{+2} c) C^{+4}

Quantum Numbers

Name: _____

1) Determine the element from the electron configurations and give the quantum numbers:



2) Write the electron configuration and give the quantum numbers of the outermost electron for the following atoms:

a) vanadium

b) uranium

c) tellurium

d) radium

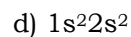
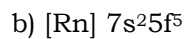
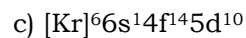
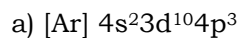
3) Write the electron configuration for the following ions, and do orbital diagrams for each:



Quantum Numbers

Name: _____

1) Determine the element from the electron configurations and give the quantum numbers:



2) Write the electron configuration and give the quantum numbers of the outermost electron for the following atoms:

a) nihonium

b) thorium

c) rubidium

d) iridium

3) Write the electron configuration for the following ions, and do orbital diagrams for each:

