**Electronic Configuration**

**of Atoms and Ions Worksheet**

Write the electronic configuration of the following atoms:

He: 1s2

P: [Ne] 3s23p3

Kr: [Ar] 3d104s24p6

Ni: [Ar] 3d84s2

Ag: [Kr] 4d105s1

Write the electronic configuration of the following ions:

Al3+: 1s22s22p6

Mo3+:[Kr] 4d3

Fe2+: [Ar] 3d6

Os2-:[Xe] 4f145d6

Au+: [Xe] 4f145d10

Write the atom and/or ion(s) with the following electronic configuration:

[Ar] 3d9: Cu2+

1s22s22p63s23p6: Ar

[Kr] 4d55s1: Mo

[Ar] 3d5: Fe3+

[Ne] 3s23p2: Si

[Kr] 4d10: Pd