

## CHM 110

## Electron Configuration Practice Set

Write ground state electron configurations for the following atoms. You may use noble gas core notation.

1) Te	$[\text{Kr}]4d^{10}5s^25p^4$
2) Zn	$[\text{Ar}]3d^{10}4s^2$
3) Pb	$[\text{Xe}]4f^{14}5d^{10}6s^26p^2$
4) Sr	$[\text{Kr}]5s^2$
5) I	$[\text{Kr}]4d^{10}5s^25p^5$
6) Fe	$[\text{Ar}]3d^64s^2$
7) Cs	$[\text{Xe}]6s^1$
8) Ga	$[\text{Ar}]3d^{10}4s^24p^1$