

Name: _____

ID: _____

CHEM Assignment (2015) Electron Configs: -1-

For each of the following, give:

- the electron configuration
- the orbital diagram & quantum numbers for the valence subshell(s)
- " " " " " " for the highest-energy subshell.

1. ${}_{19}\text{K}$ Valence $4s^1$
highest ϵ Same

2. ${}_{56}\text{Ba}$ Valence $6s^2$
highest ϵ Same

3. ${}_{73}\text{Ta}$ Valence $6s^2$
highest ϵ $5d^3$

4. ${}_{59}\text{Pr}$ Valence $6s^2$
highest ϵ $4f^3$

Name: _____

I.D.: _____

CHEM - Assignment (EN5) Electron Configs - 2 -

