**Mini-quiz #8 Chemistry 1114 Monday 16 September 2013**

Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A

8.1. Write the complete, unabbreviated electronic configuration for:

1. S
2. K

8.2. Write the abbreviated electronic configurations for:

1. Be
2. Cl

8.3. Write the correct pigeonhole picture with d-switching and the filled, half-filled

 empty rules applied to the element below (remember that +x means the

 element has lost x electrons.)

1. Fe3+ [Ar]
2. Cu+ [Ar]

 3d 4s

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Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ B

8.1. Write the complete, unabbreviated electronic configuration for:

1. P
2. Mg

8.2. Write the abbreviated electronic configurations for:

1. N
2. S

8.3. Write the correct pigeonhole picture with d-switching and the filled, half-filled

 empty rules applied to the element below (remember that +x means the

 element has lost x electrons.)

1. Fe+2  [Ar]
2. Cu [Ar]

3d 4s