

Quiz 8.2 – Electronic Configuration

Name: Key

Question 1 (2 points)

List the electronic subshells in order from 1s to 7p

1s 2s 2p 3s 3p 4s 3d 4p 5s 4d 5p 6s 4f 5d 6p 7s 5f 6d 7p

Question 2 (3 points)

Give the electronic configuration for each element using the noble gas notation

o P: $[\text{Ne}] 3s^2 3p^3$

o Ag: $[\text{Kr}] 5s^2 4d^9$

o Po: $[\text{Xe}] 6s^2 4f^{14} 5d^{10} 6p^4$