

**Worksheet #14**  
Friday, May 10, 2024

**Name**

**Question (5 pts):**

What are allowed terms for the following configurations of the electrons:

(a)  $3s\ 3d$

(b) Boron electronic configuration  $1s^2 2s^2 2p^1$

(c)  $4d^{10}$

**If you have time:**  
Same for  $2p^5$