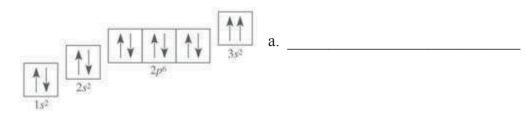
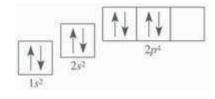
Name:	Class:	Date:
CHAPTER 4 REVIEW		
Arrangeme	nt of Elect	rons in Atoms
SECTION 3		
SHORT ANSWER Answe	er the following question	ions in the space provided.
	sion principle, and use we opposite spin states	e it to explain why electrons in the s.
2 F1. in the condition		
2. Explain the condition possible:	is under which the following	llowing orbital notation for helium
$\uparrow$ $\uparrow$		
$\overline{1s}$ $\overline{2s}$		
Write the ground-state el following atoms:	ectron configuration a	and orbital notation for each of the
3. Phosphorus		
4. Nitrogen		

5. Potassium

## **SECTION 3** continued

- 6. Aluminum
- 7. Argon
- 8. Boron
- 9. Which guideline, Hund's rule or the Pauli exclusion principle, is violated in the following orbital diagrams?





b. \_\_\_\_