Skill Practice 18

**Configuration Practice**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hour: \_\_\_\_\_

1. Using arrows, write complete orbital diagrams for…
   1. Scandium
   2. Molybdenum
   3. Selenium
2. Write the complete electron configuration (no arrows) for…
   1. Chromium
   2. Antimony
   3. Calcium
3. What is wrong with the following electron orbital diagram? What is the name of the rule that allows you to identify the error?

1s

2s

2p

1. How many unpaired electrons does cobalt have?