

Name _____

Orbital Notation & Electron Configuration

1. Write orbital filling diagrams, electron configurations, and electron dot diagrams for the following elements.

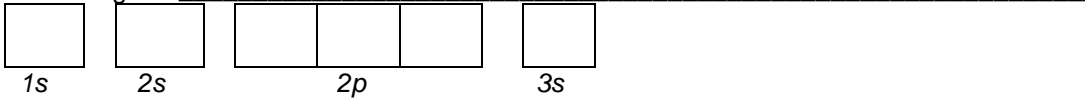
Table:

Element	Orbital Filling Diagram	Electron Configuration	Lewis Dot Diagram
a. Boron			
b. Silicon			
c. Sulfur			
d. Calcium			
e. Iodine			
f. Rubidium			
g. Chromium			
h. Gallium			
i. Krypton			
j. Oxygen			
k. Strontium			
l. Aluminum			

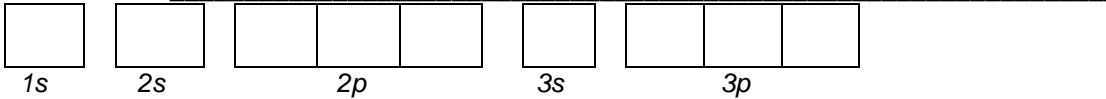
Where are the Electrons?

Write the full electron configuration, short-hand electron configuration, and fill in the orbital diagrams, for the following elements.

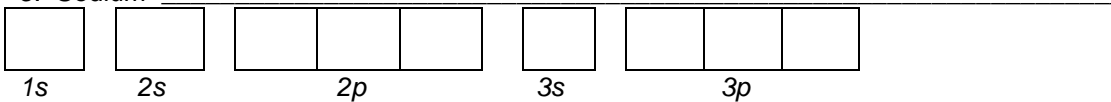
1. Nitrogen



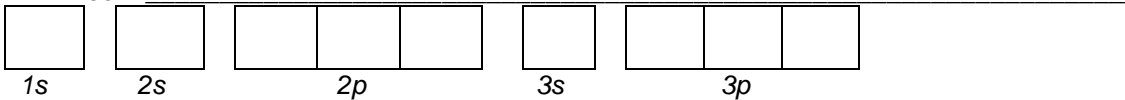
2. Chlorine



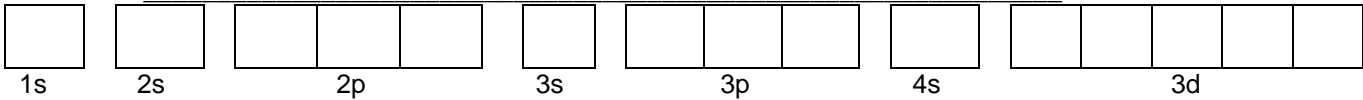
3. Sodium



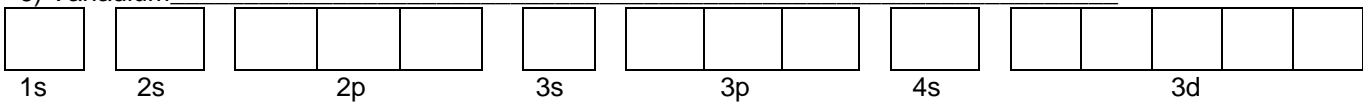
4. Neon



5. Nickel



6) Vanadium



7) Copper

