Chemistry 11

Atomic Theory II Check Point

✓ **Electron Configuration**

Name: key.
Date:
Block:

Write the electron configuration for the following atoms:

1. Calcium:

$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2$

2. Fluorine:

$1s^2 2s^2 2p^5$

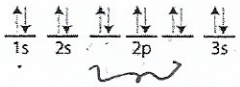
3. Argon:

$1s^2 2s^2 2p^6 3s^2 3p^6$

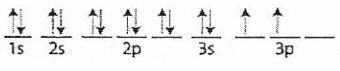
4. Potassium:

$1s^2 2s^2 2p^6 3s^2 3p^6 4s^1$

What neutral elements do the following orbital diagrams represent?

5. 

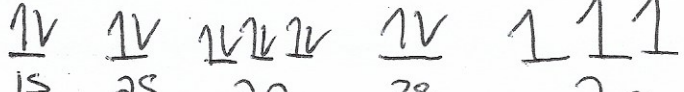
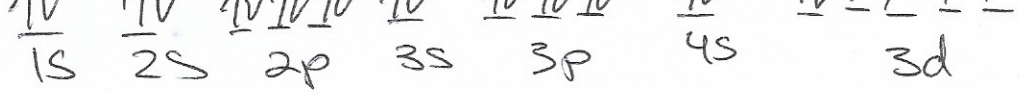
$1s^2 2s^2 2p^6 3s^2$ Mg.

6. 

Si

Draw the orbital diagrams for the following elements.

7. Phosphorus 15e⁻



8. Iron 26e⁻