

1.3 Electron Configuration Notes

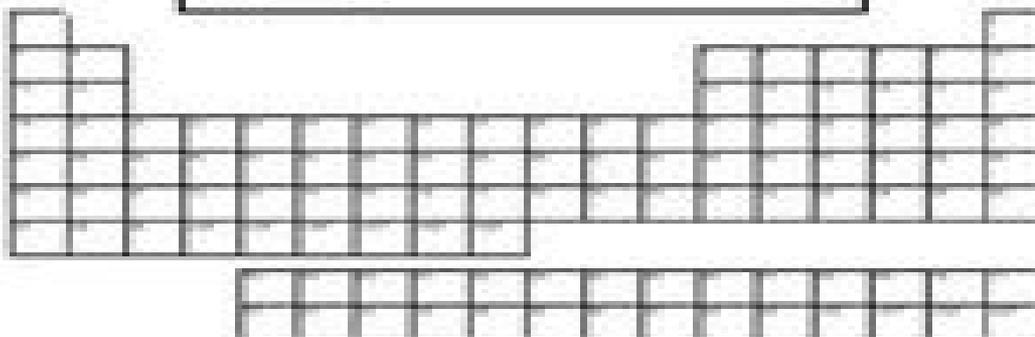
The periodic table orders elements, in-essentially by the number of protons in the atom's nucleus and places those with similar chemical properties in columns. The repeating patterns of the table reflect patterns of outer electron states.

1. Electron Configuration

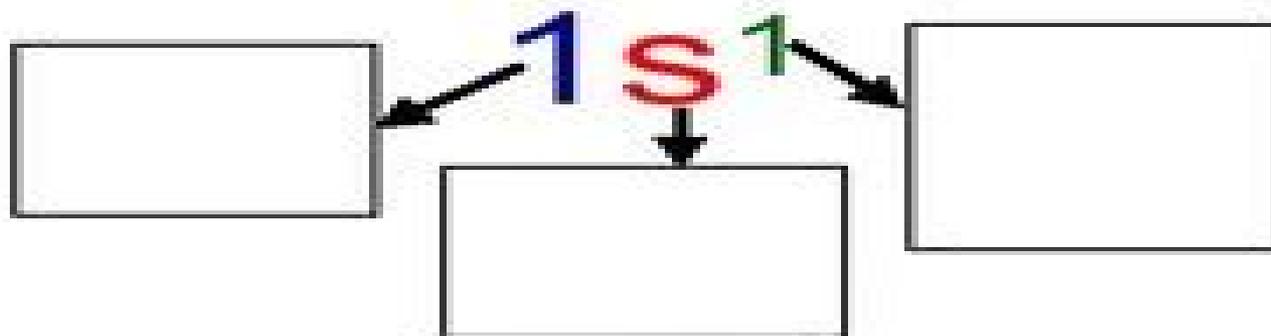
- Outline each section of the periodic table as either s, d, p, or f

Group # = _____

Page # _____



2. Label the following electron configuration:



- What element has an electron configuration of $1s^2 2s^2 2p^6$ _____

3. Practice 1: Lithium

- Find the element on the periodic table
- what is the period number? _____
- how many shells? _____
- what is the group number? _____
- how many valence electrons? _____
- what orbital (s) does it have? _____
- what is the electron configuration? _____



Electron Configuration Packet

F Rizvi

A decorative graphic element consisting of a light blue horizontal bar with a rounded right end, and a red-to-white gradient semi-circle behind it.

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Decoding **Electron Configuration Packet**: Revealing the Captivating Potential of Verbal Expression

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