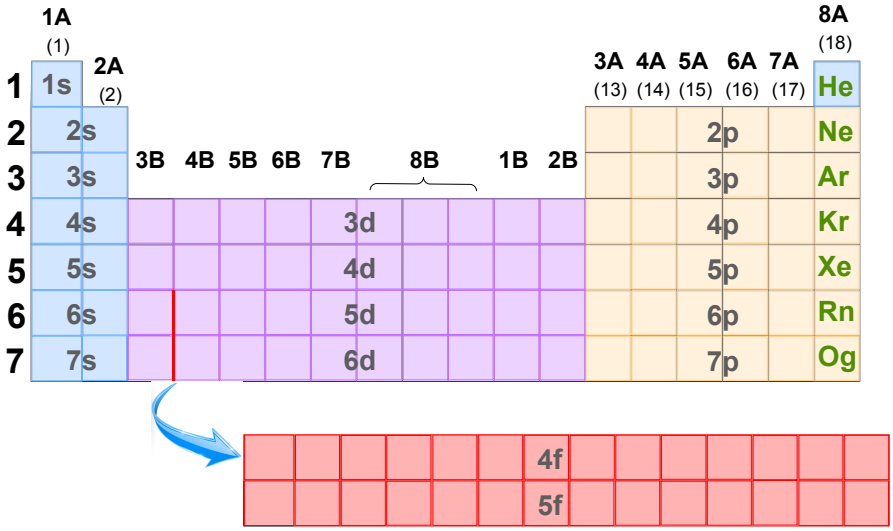
CONCEPT: THE ELECTRON CONFIGURATION: CONDENSED

- **Condensed Electron Configuration:** a faster way to write out electron arrangements for elements or ions.
  - □ With condensed electron configurations, we start at the last **noble gas** before the desired element.



  - □ Moving forward this will be the primary method to write electron configurations.

EXAMPLE: Provide the condensed electron configuration for the aluminum atom.

STEP 1: Find your **element** on the periodic table.

STEP 2: Locate the **noble gas** that comes before the **element** and place it inside brackets.

STEP 3: Continuing from the **noble gas** in brackets, complete the rest of the electron configuration.

PRACTICE: Write the condensed electron configuration and electron orbital diagram for the following element: **Zinc**