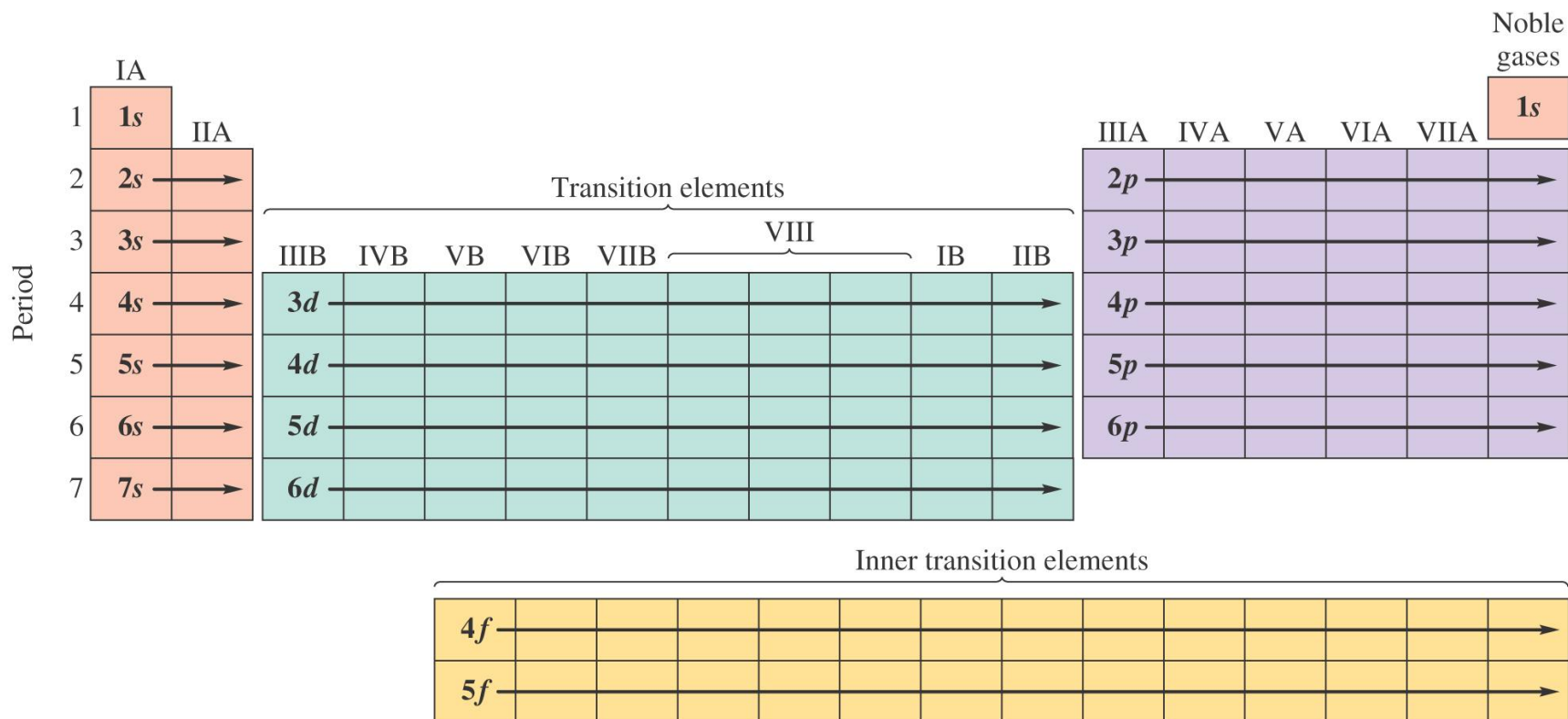


ELECTRON CONFIGURATION AND THE PERIODIC TABLE

- The electrons in an atom fill from the lowest to the highest orbitals.
- The knowledge of the location of the orbitals on the periodic table can greatly help the writing of electron configurations for large atoms.



For A Groups (Representative Elements):
 (s and p blocks) $n = \text{period number}$

For B Groups (Transition Elements)
 d blocks: $n = \text{period number} - 1$
 f blocks: $n = \text{period number} - 2$

- The electronic configuration of an element can now be given if the position in the Periodic Table is known:

