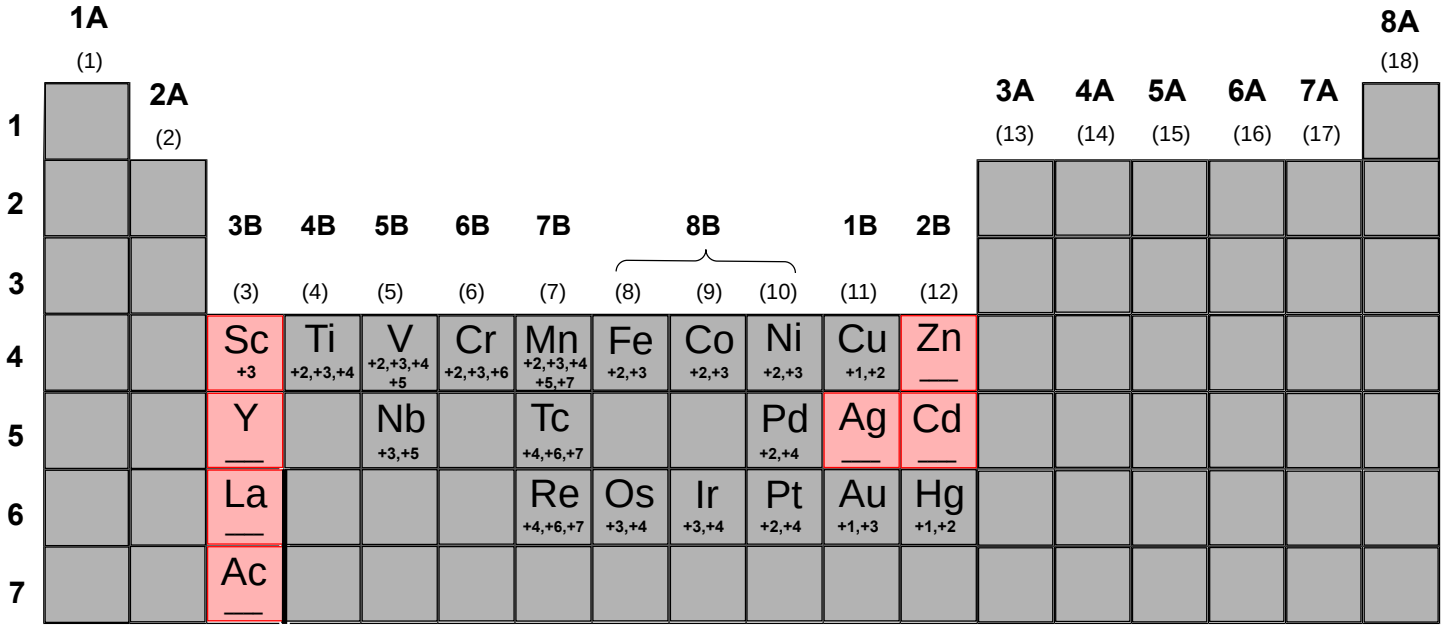
CONCEPT: PERIODIC TABLE: TRANSITION METALS CHARGES

Transition Metals (Type II Metals)

- Most transition metals have varying positive charges because of their electron arrangements around the nucleus.
  - □ More advanced explanations for these varying charges will be discussed in the later chapters.



EXAMPLE: Predict the major charge of an ion if it were discovered to be in Period 10, Group 3B.

a) +2 b) +5 c) -2 d) -3 e) +3

PRACTICE: What is the likely charge of the element with an atomic number of 47?

a) +4 b) +3 c) -1 d) +1 e) +2

PRACTICE: How many electrons would the cadmium ion possess?

a) 50 b) 48 c) 46 d) 52 e) 30