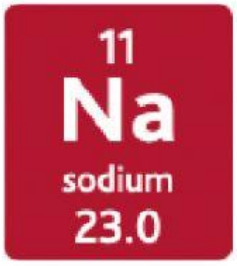
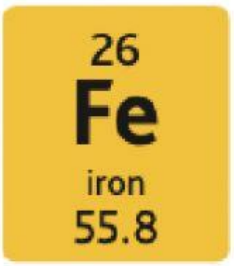
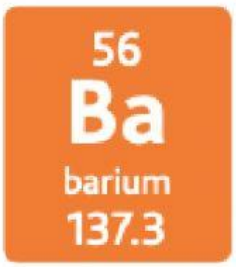
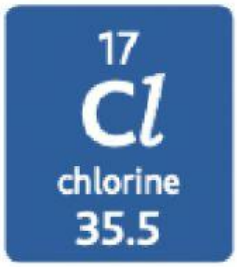
In the space below, write the <u>unabbreviated</u> electron configurations of the following elements:









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

$1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^5$ | $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 5p^6 6s^2$

$1s^2 2s^2 2p^3$ | $1s^2 2s^2 2p^6 3s^2 3p^5$ | $1s^2 2s^2 2p^6 3s^2 3p^6$

Determine what elements are denoted by the following electron configurations:

14) $1s^2 2s^2 2p^6 3s^2 3p^4$ _____

15) $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^1$ _____

16) [Kr] $5s^2 4d^{10} 5p^3$ _____