

Electron Configurations

Atom

Configuration

H

$1s^1$

He

$1s^2$

1s shell filled

(n=1 shell filled - noble gas)

Li

$1s^2 2s^1$

Be

$1s^2 2s^2$

2s shell filled

B

$1s^2 2s^2 2p^1$

etc

Ne

$1s^2 2s^2 2p^6$

2p shell filled

(n=2 shell filled - noble gas)

s shells hold up to 2 electrons

p shells hold up to 6 electrons