Sequence of Shells

Pneumonic:

1s

2s 2p

3s 3p 3d

4s 4p 4d 4f

5s 5p 5d 5f

6s 6p 6d ...

Sequence of shells:

1s, 2s, 2p, 3s, 3p, 4s, 3d, 4p, ...

4s electrons get closer to nucleus than 3d