

Bohr Diagrams

- shows energy levels of where electrons orbit the nucleus
- always fill first energy level first, then 2nd, 3rd, etc
- all electrons in element are shown

Energy levels

1st has 2 electrons max

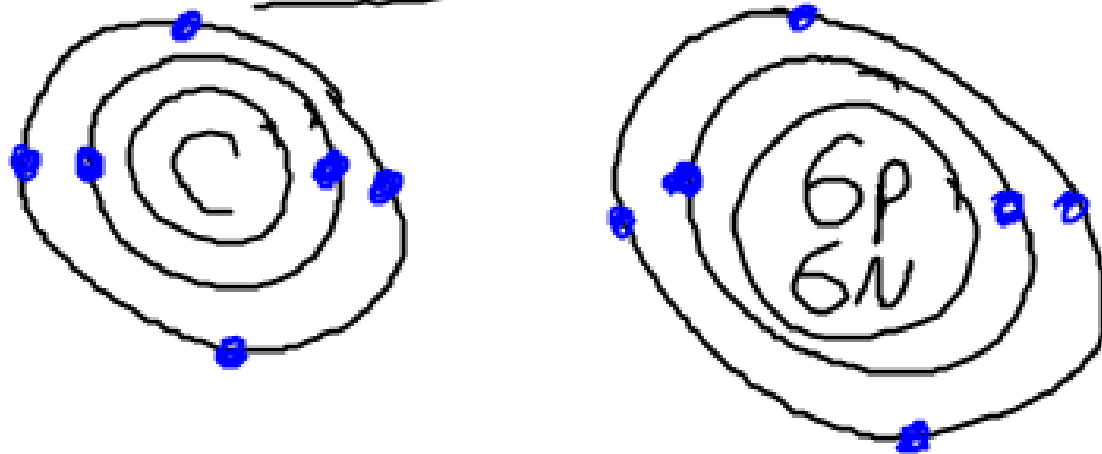
2nd has 8 electrons max

3rd has 18 electrons max

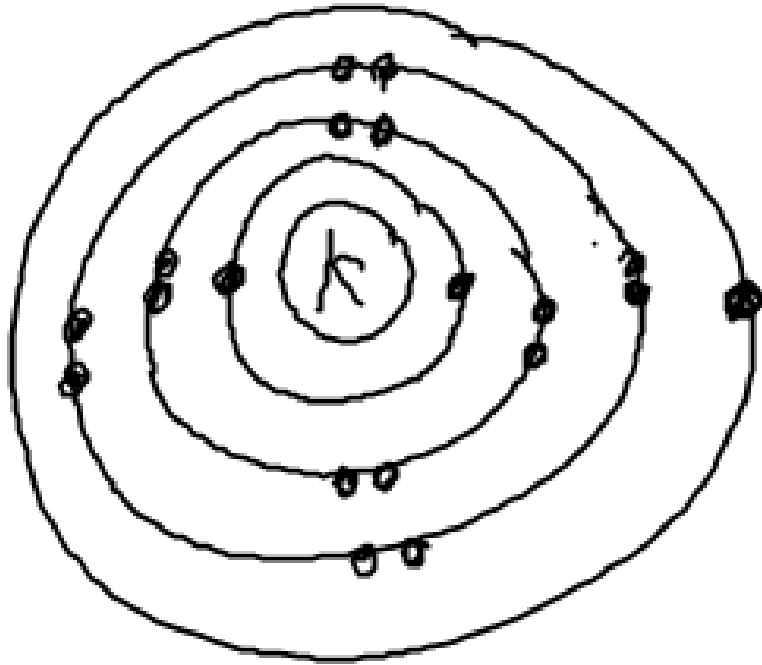
↳ fill first 8 then fill
2 into 4th energy lvl before putting
remaining 10e⁻ into lvl 3

Outer ^(valence) energy level can
have at most $8e^-$
(except #1)

ex: Carbon $\rightarrow 6e^-, 6p, 6n$



Potassium $19e^-$ $19p$ $20n$



$H \leftarrow O \rightarrow \infty \rightarrow 2$