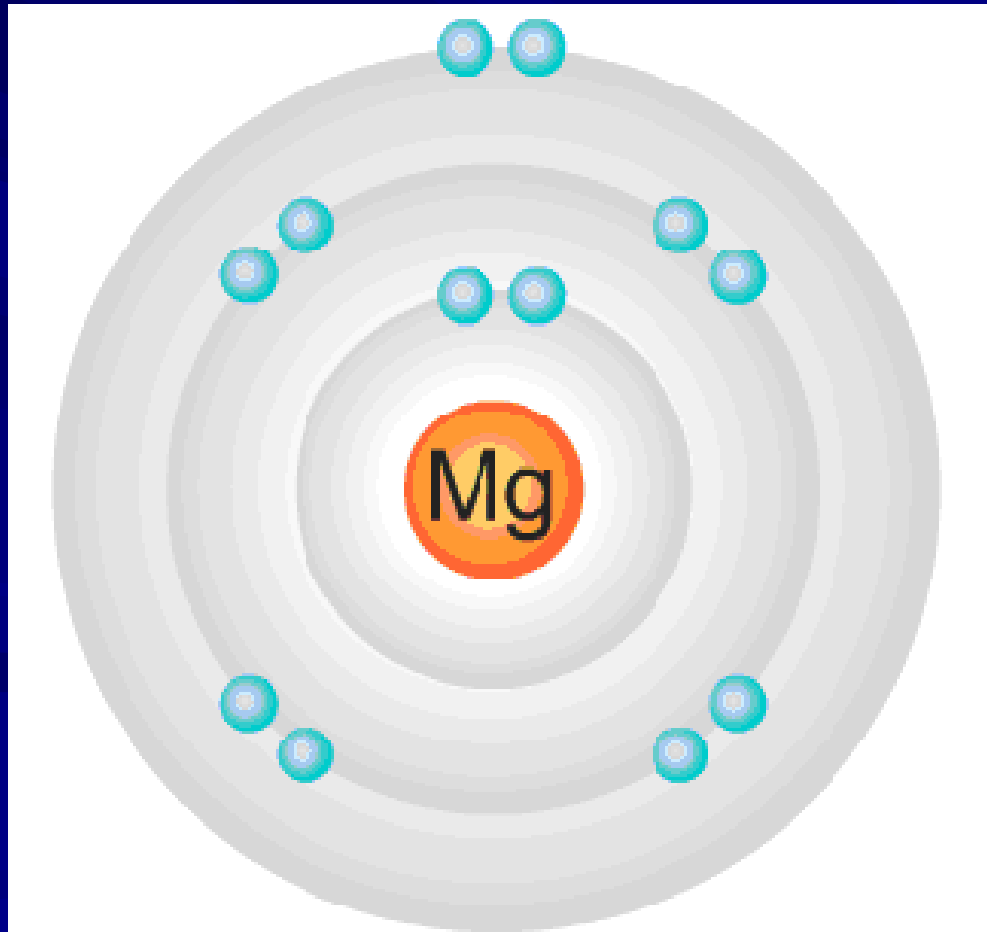
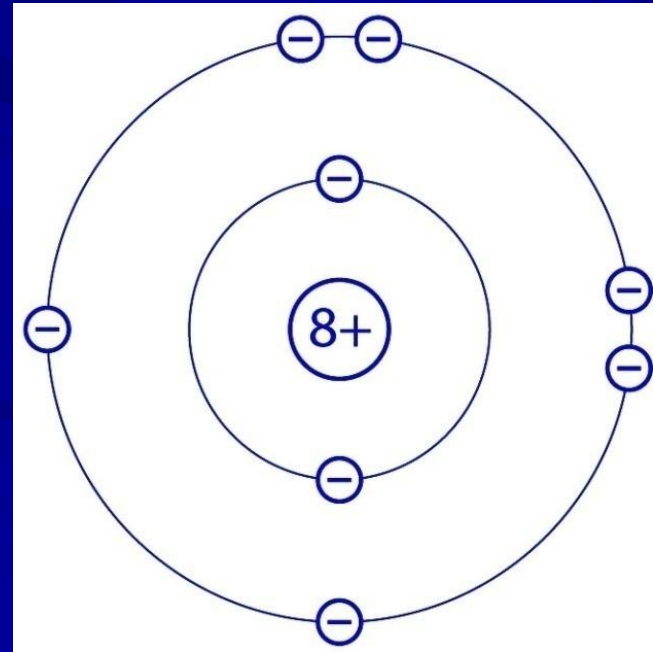


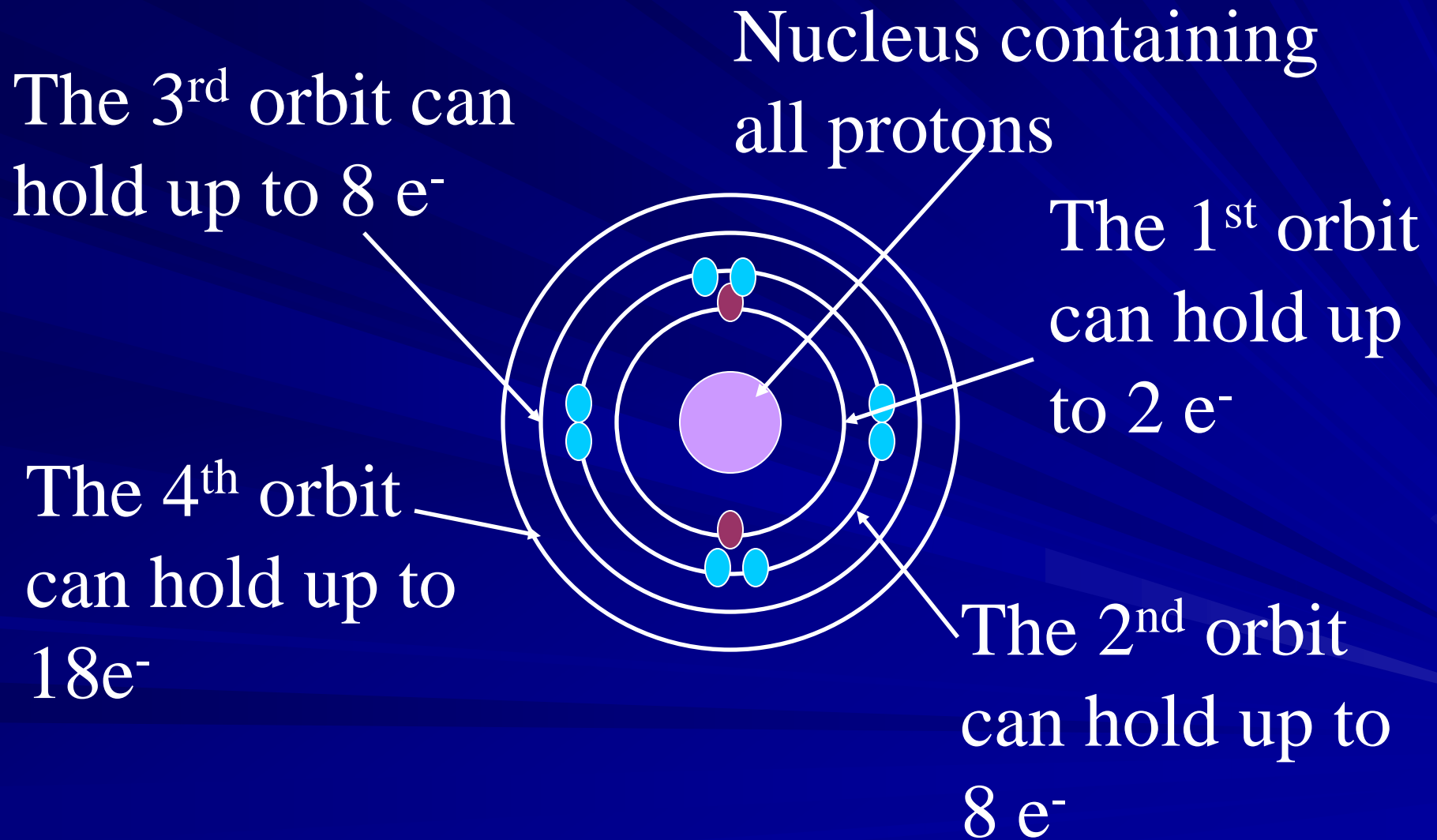
THE RUTHERFORD-BOHR ATOMIC MODEL



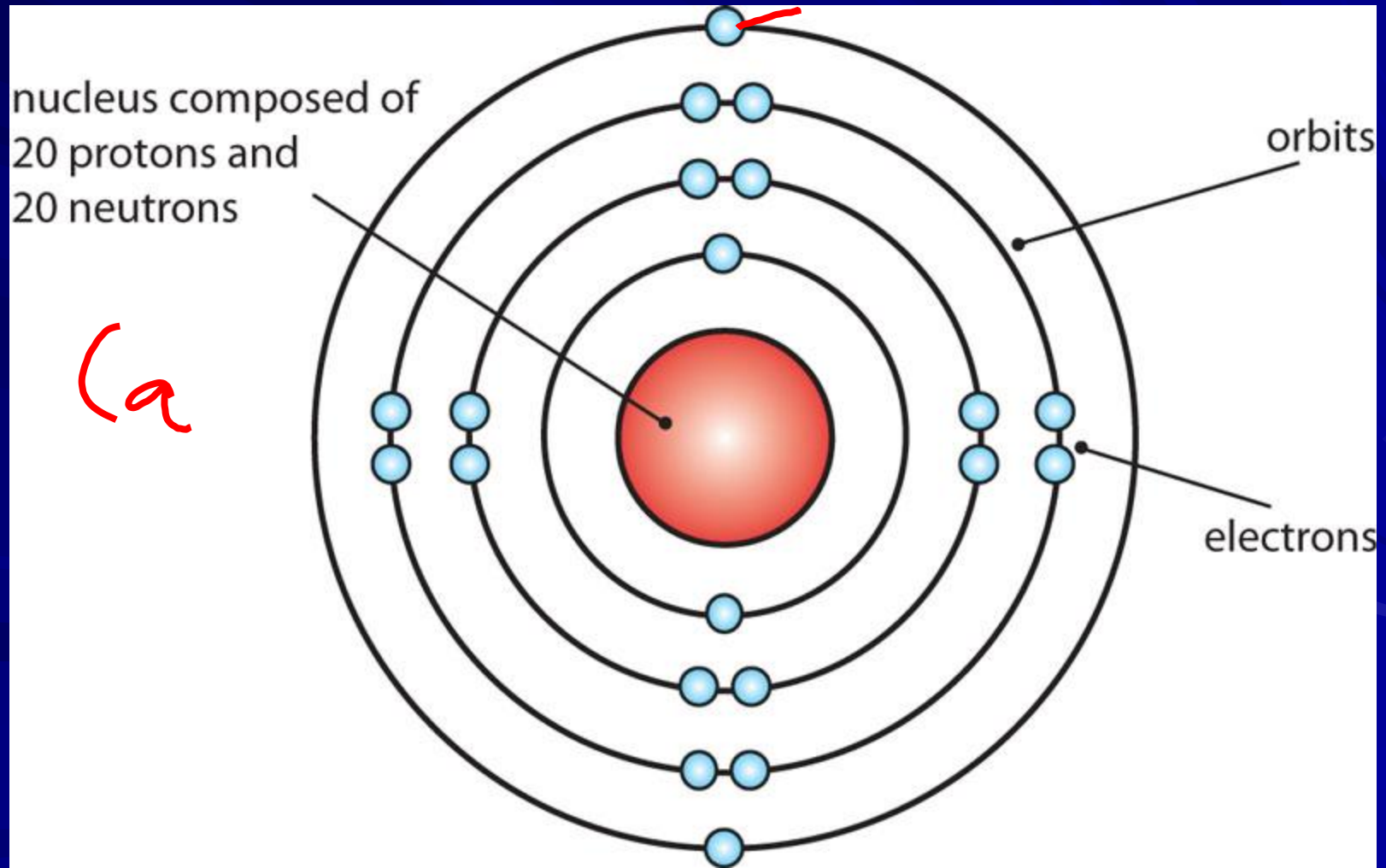
- The Rutherford-Bohr atomic model is a representation of the atom as a very small nucleus made up of positively charged protons, surrounded by negatively charged electrons moving in *defined orbits* (also called energy levels or simply shells).



ELECTRON CONFIGURATION



□ Capacity of the energy levels for the first 20 elements : 2-8-8-2



■ Ex: Neon

Atomic # 10

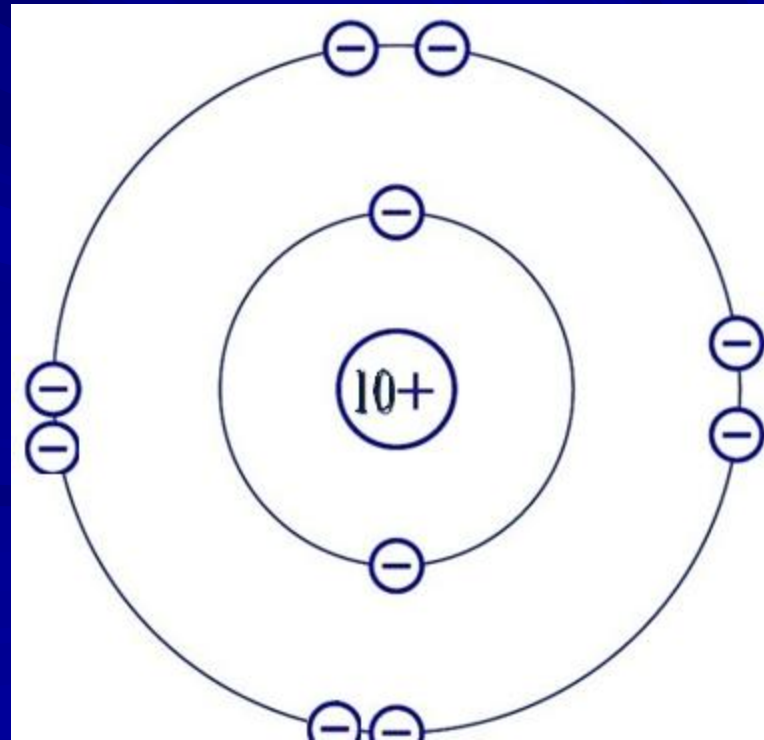
Atomic mass # 20

10 electrons distributed like this:

- 2 on the first level
- 8 on the second level



RUTHERFORD- BOHR DIAGRAM



VALENCE ELECTRONS

- ❑ The electrons situated on the last shell are called VALENCE ELECTRONS.
- ❑ They take part in chemical reactions

