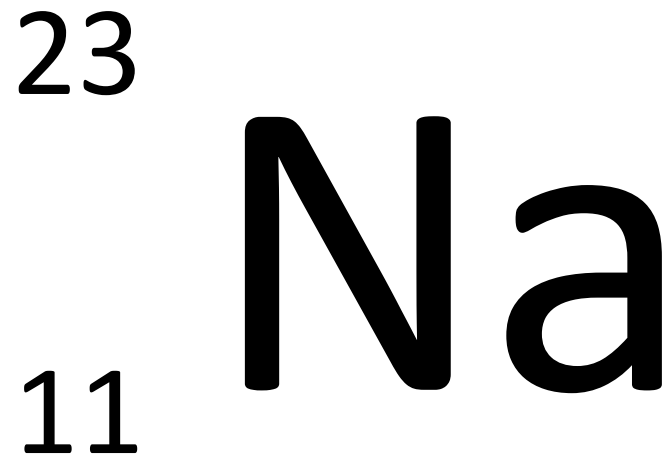
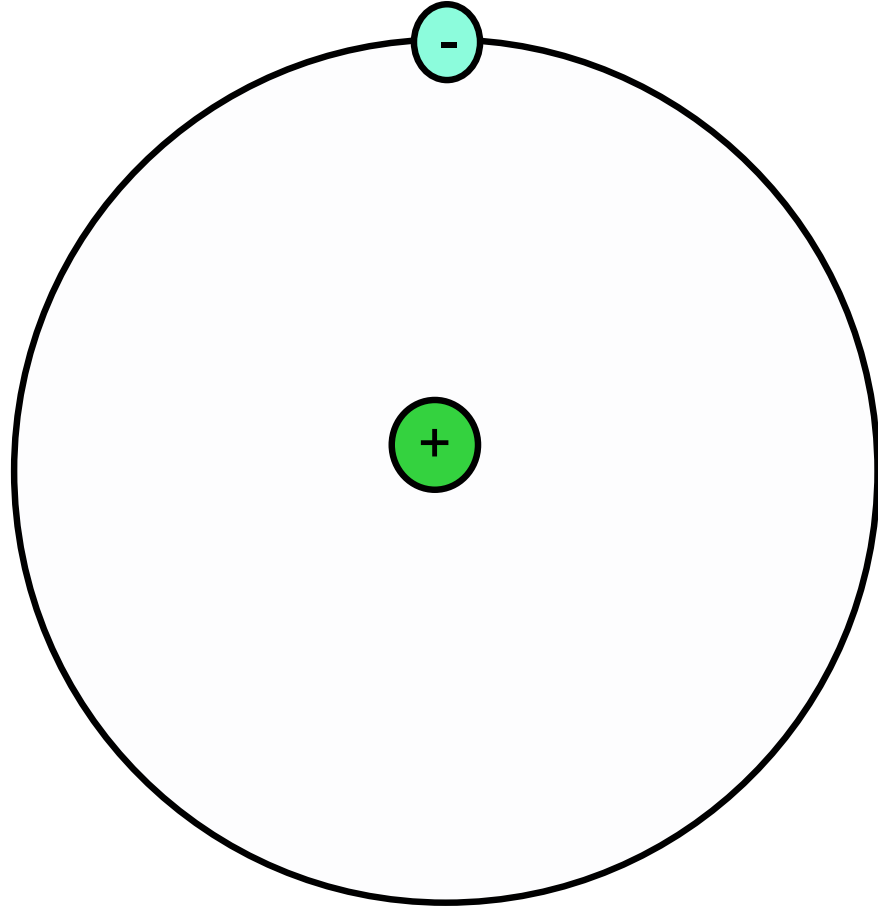


Topic	Atomic structure	Level	GCSE
Outcomes	<ol style="list-style-type: none">1. To work out what the atomic number and mass number tell you about atomic structure2. To calculate proton, electron and neutron numbers from the atomic and mass numbers for a range of atoms		

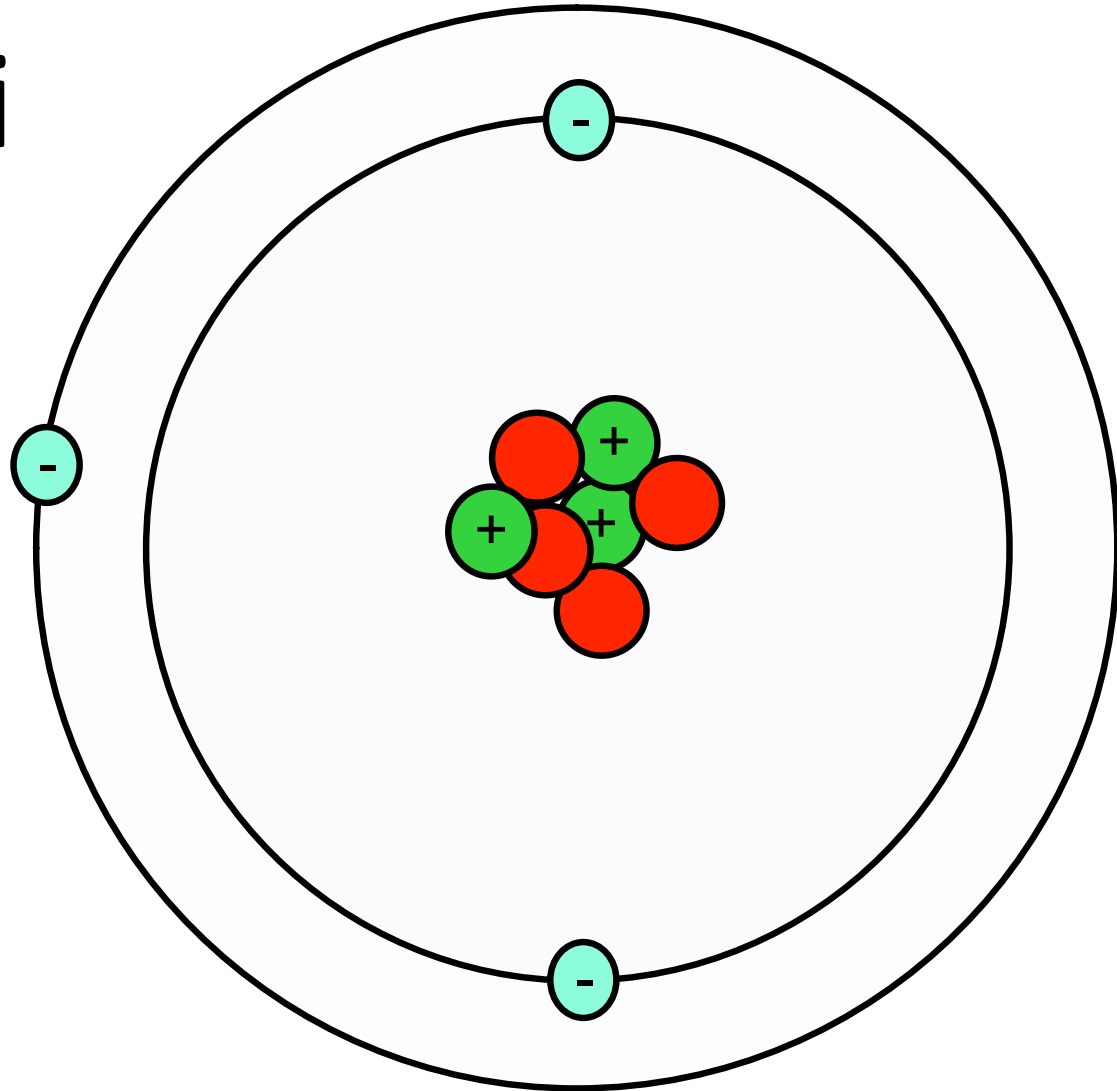
What do these numbers
tell you about atomic
structure? Can you
work it out?!



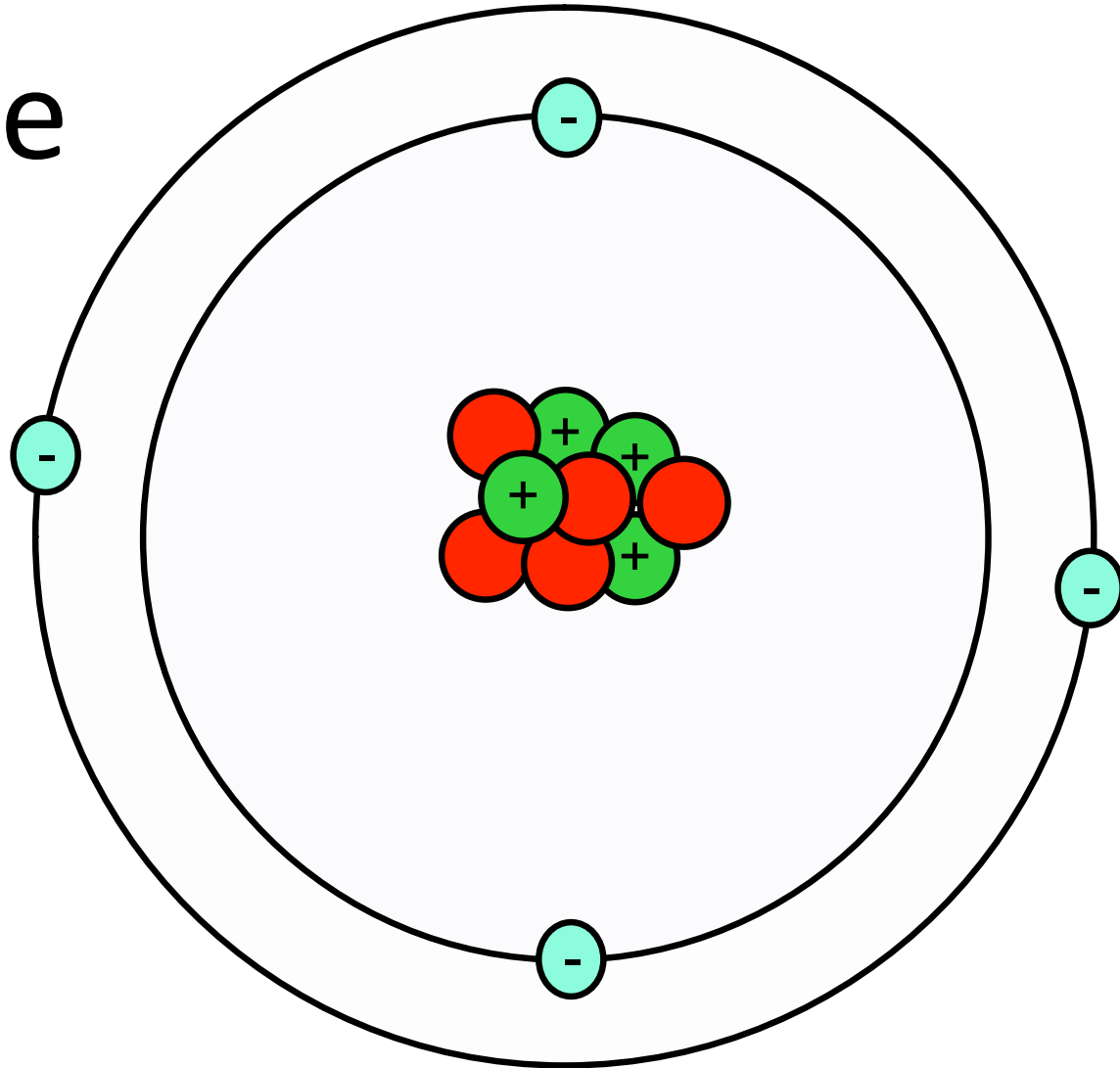
1
H
1



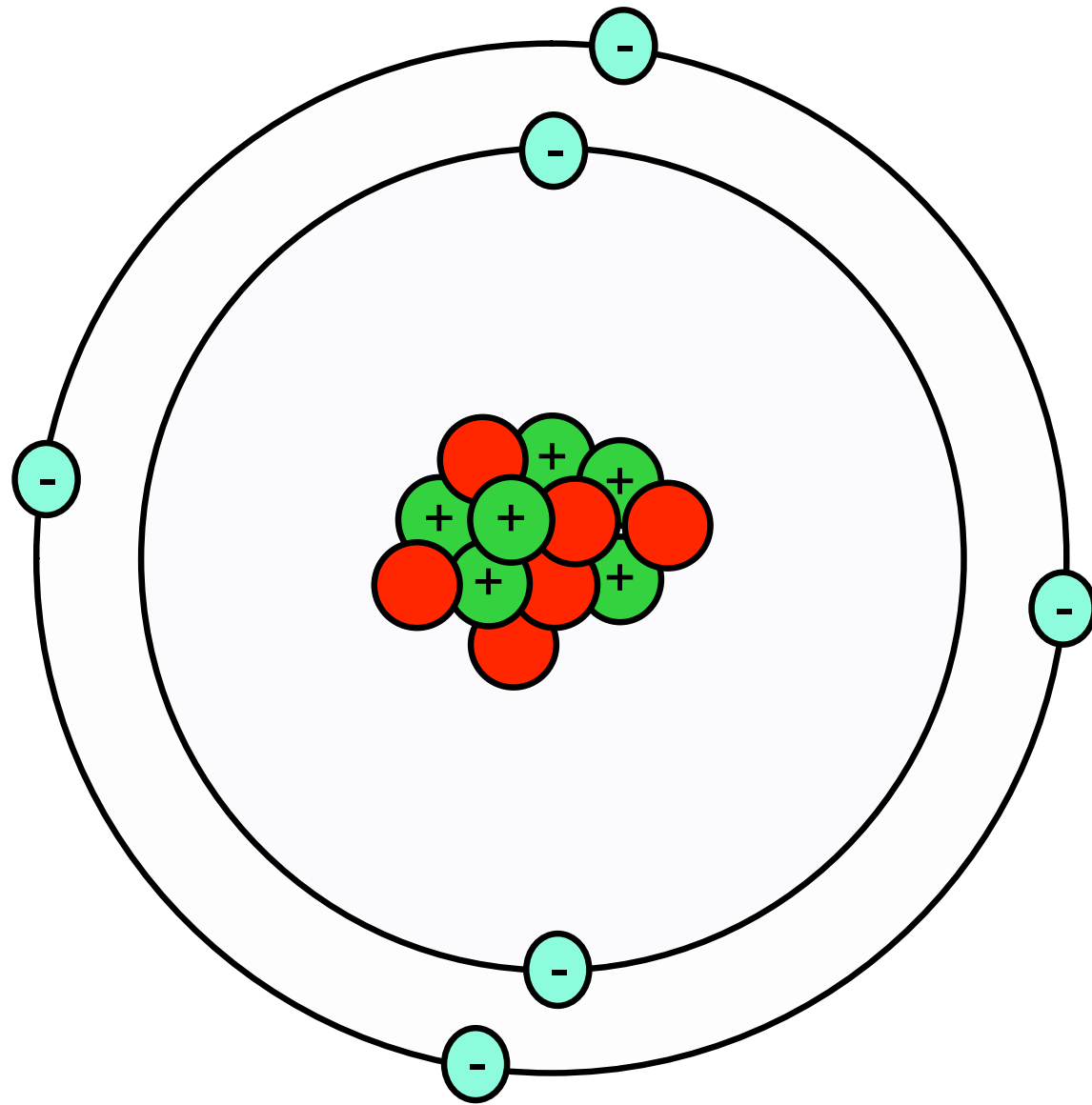
7
3 Li



9
4 Be



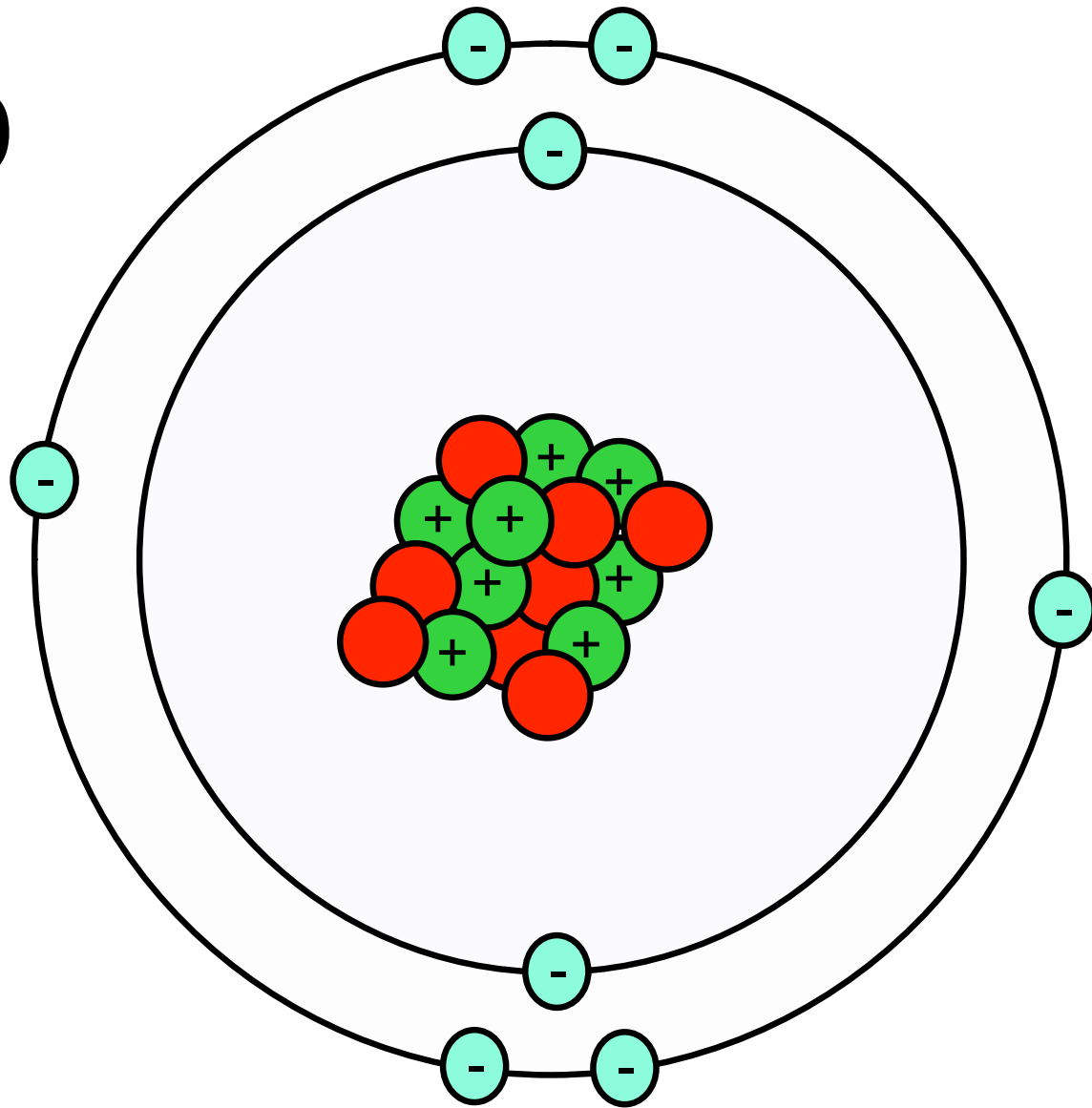
12
6
C



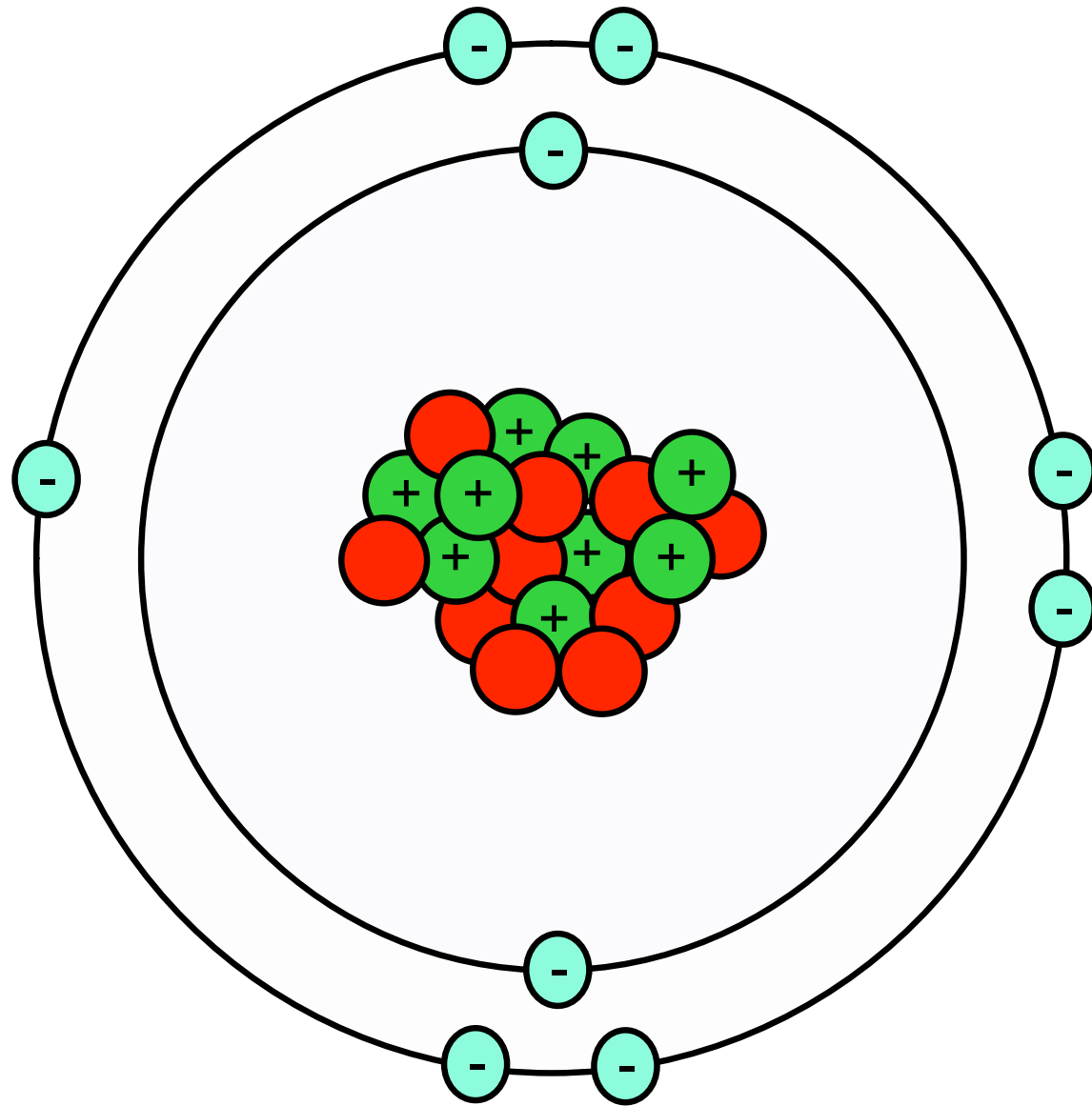
16

8

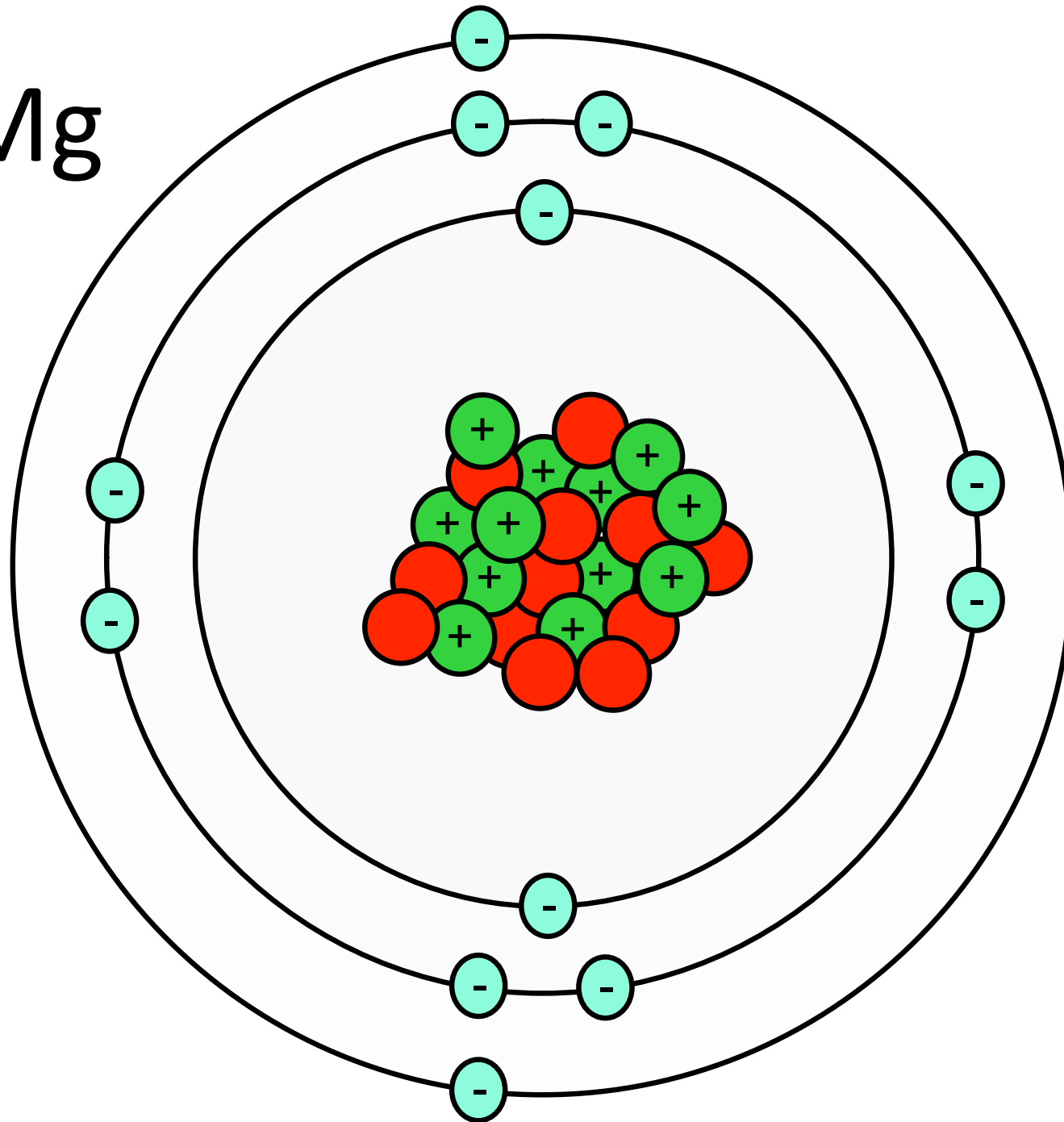
O

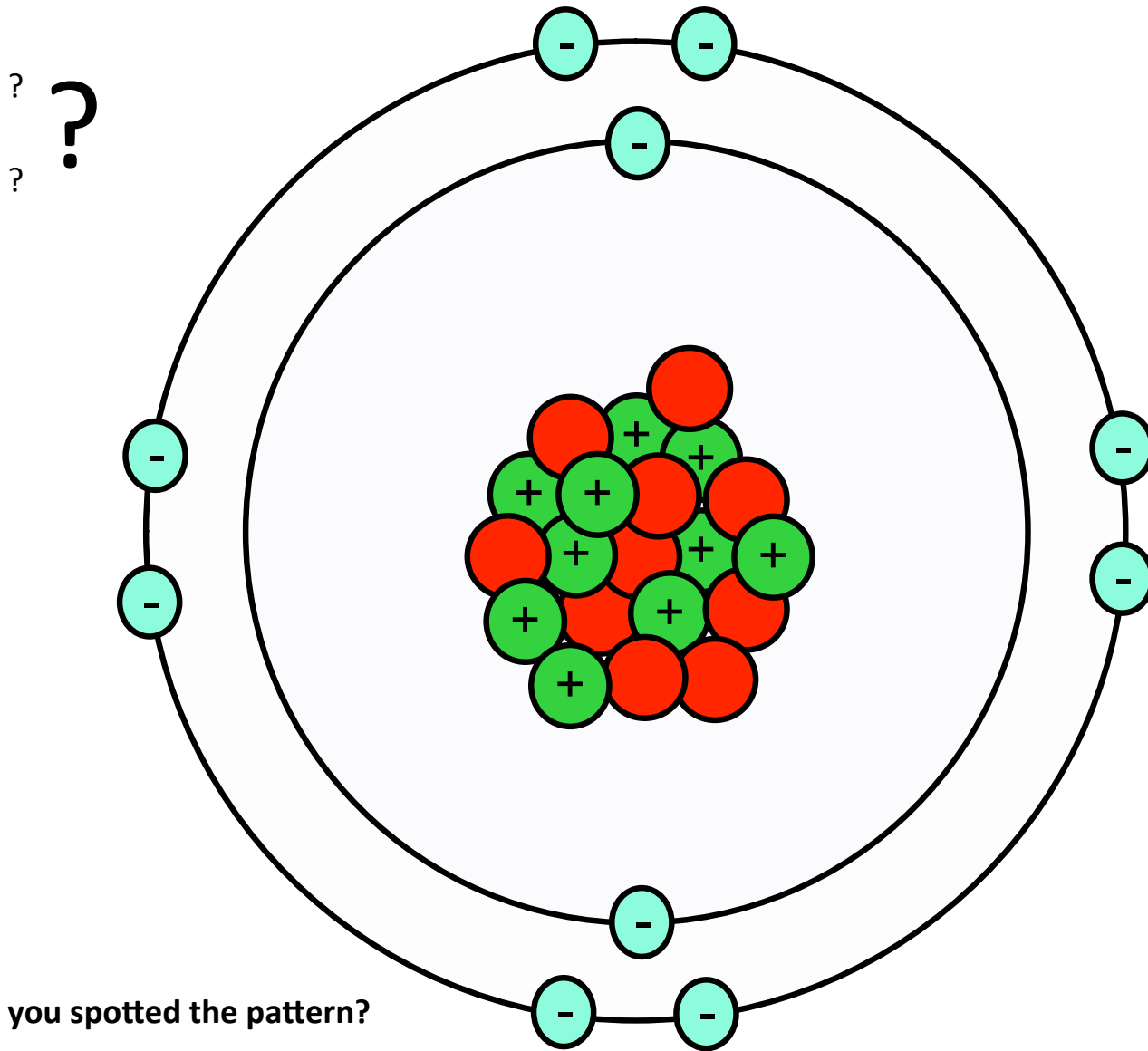


19
9
F



²⁴Mg
12



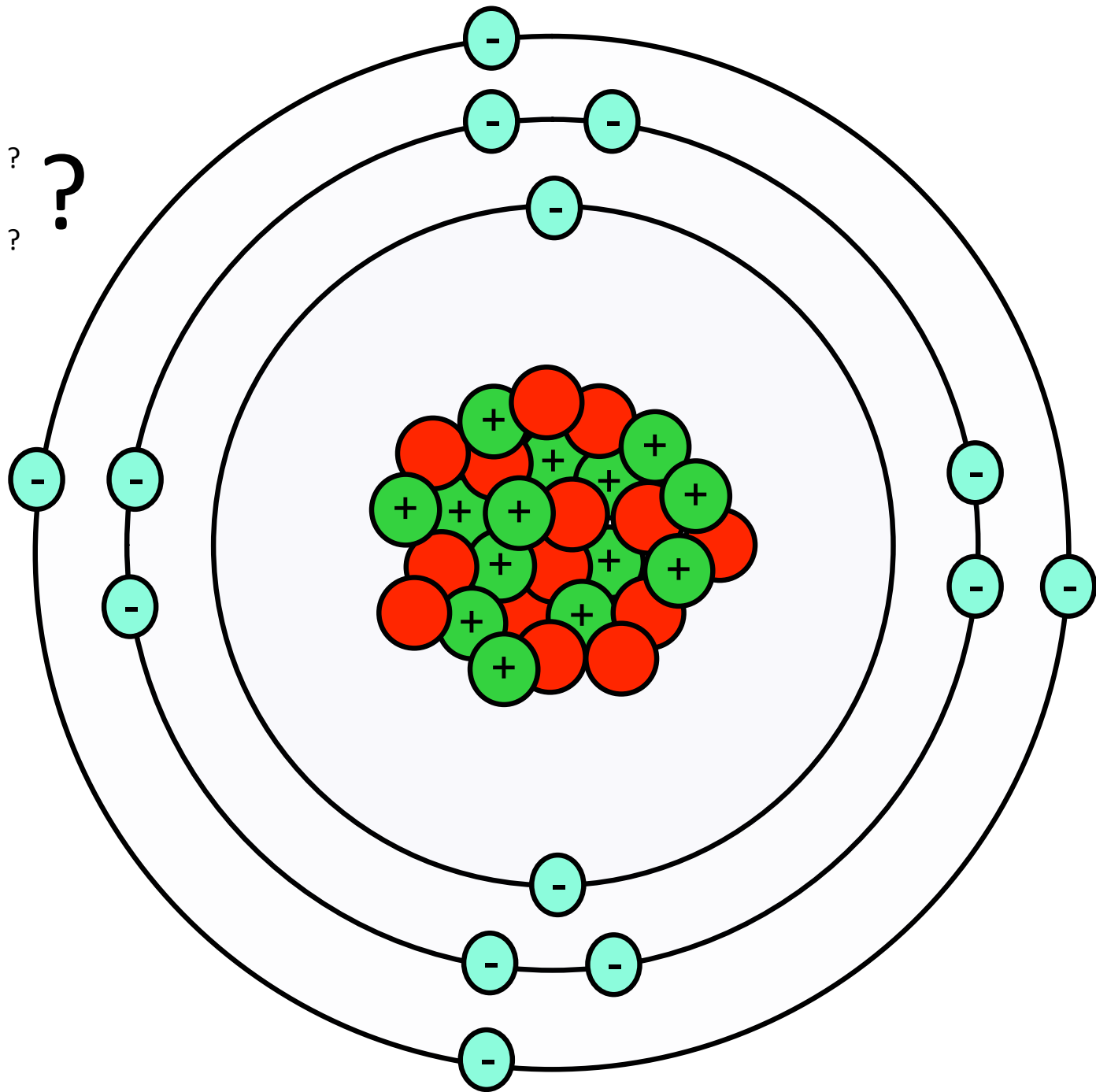


Have you spotted the pattern?

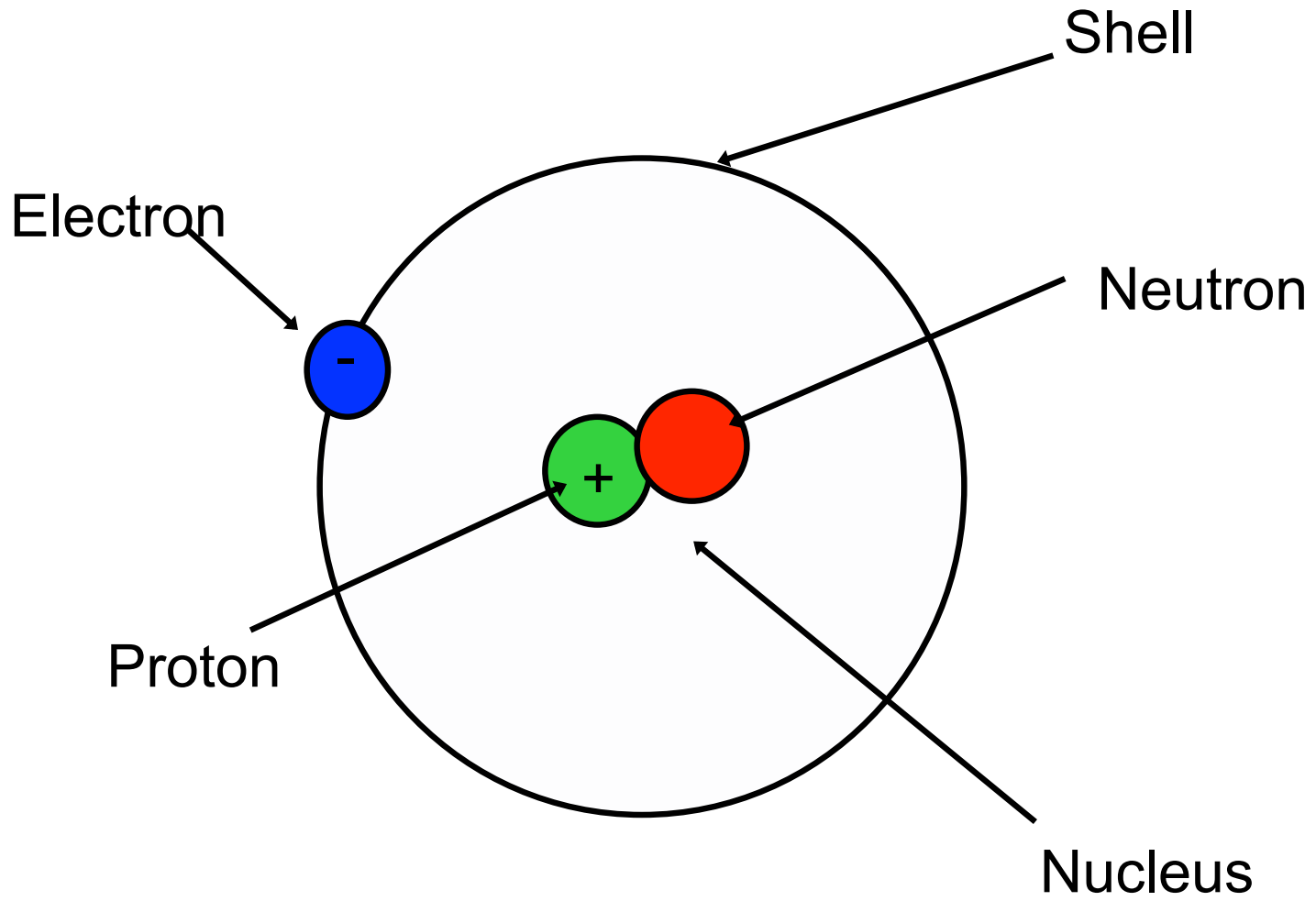
What atom is this?

What is the atomic number?

What is the mass number?



Atom



What have you discovered about:

1. The number of protons and neutrons in each atom?
2. The number of electrons that can fit in the first shell of each atom?
3. The number of electrons that can fit in the second and third shell of each atom?
4. Can you draw an atom of aluminium?
5. Can you draw an atom of sulphur?
6. Why is it difficult to draw an atom of copper?