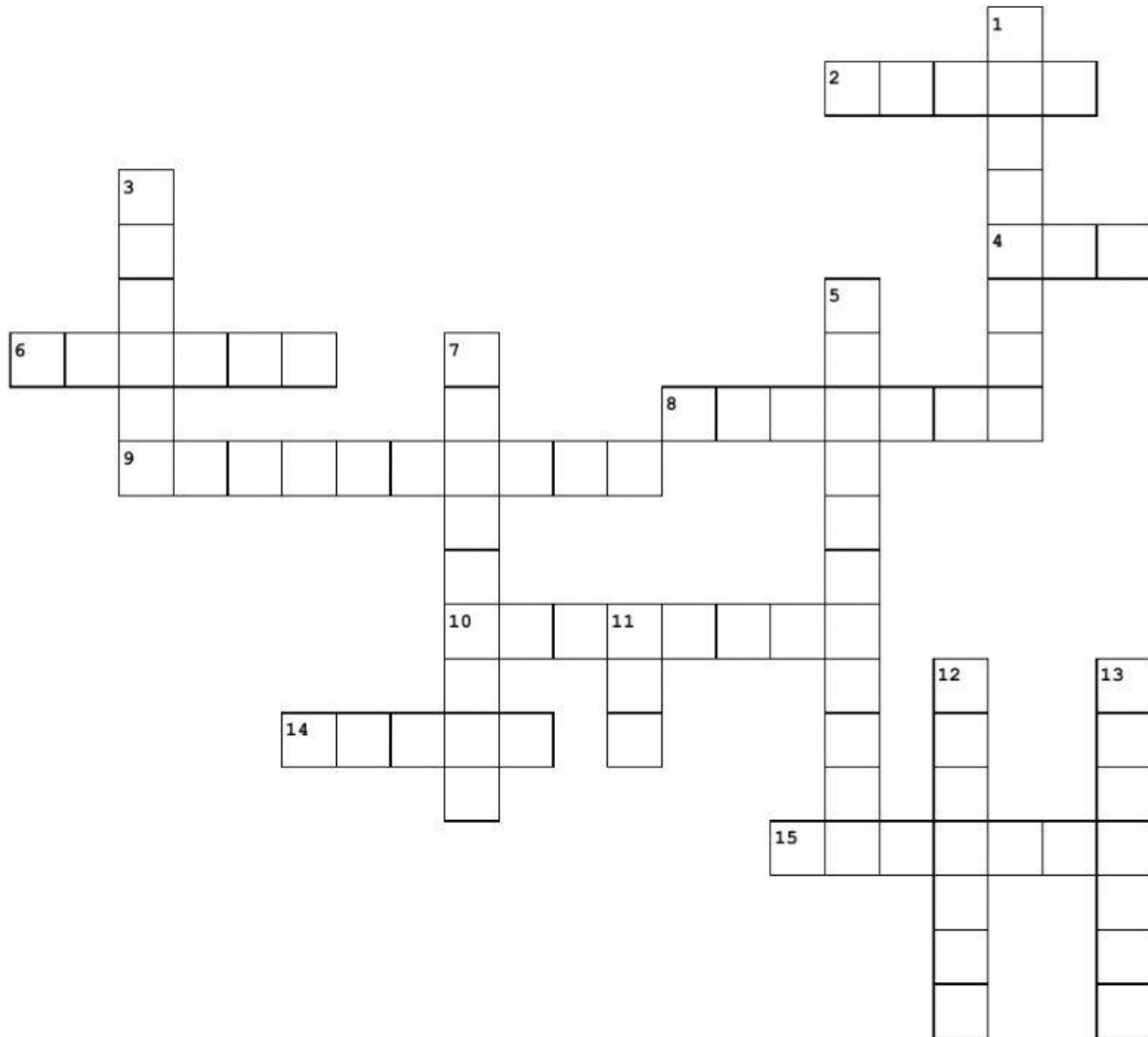


# THE ATOM



## Across

2. An atom that gains electrons
4. number of electrons that has the anion (oxygen (2-), A=16 and Z=8)
6. It is an ion that has more protons than electrons
8. In a chemical reaction the substance that is formed is called.....
9. when an atom or molecule gains electrons become .....charged
10. atoms with the same number of protons and different number of electrons
14. According to Rutherford's model the electrons are located in the
15. An atom with equal number of electrons and

## Down

1. according to Proust's law the ratio of mass of the elements that form a compound remains.....
3. the particle that discovered Rutherford
5. According to Dalton the atom is
7. according to Thomson atomic model the atom is
11. the maximum number electrons that can placed in the first shell according to Bohr's atomic model
12. particle of the nucleus that does not have charge
13. According to Rutherford's model the mass of an atom mainly located in the

protons is