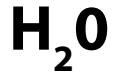


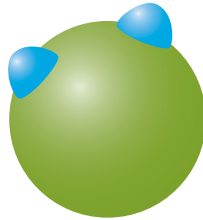
The Molecular Structure of Water



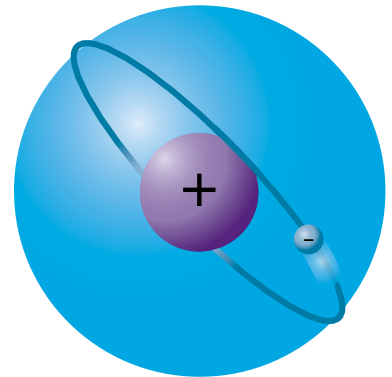
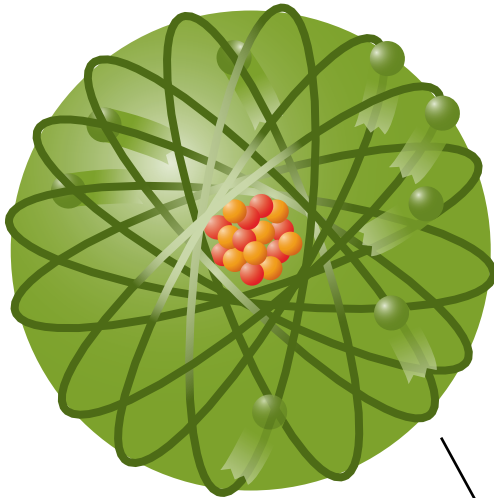
An atom of oxygen has a nucleus in the center with 8 protons (with a positive charge), and 8 neutrons (with no net charge). The nucleus is orbited by 8 electrons (with a negative charge).



A drop of water is made of molecules of water.



A molecule of water is made of two atoms of hydrogen and one atom of oxygen.



An atom of hydrogen has only one proton (with a positive charge), and no neutrons. The proton is orbited by 1 electron (with a negative charge).



An electron

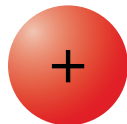
The nucleus



A neutron



A proton



Atoms have the same number of protons (with a positive charge) and electrons (with a negative charge), so an atom has no net charge.