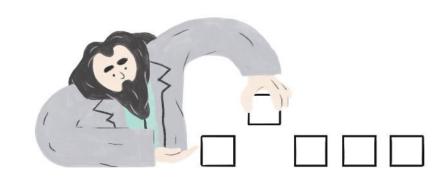
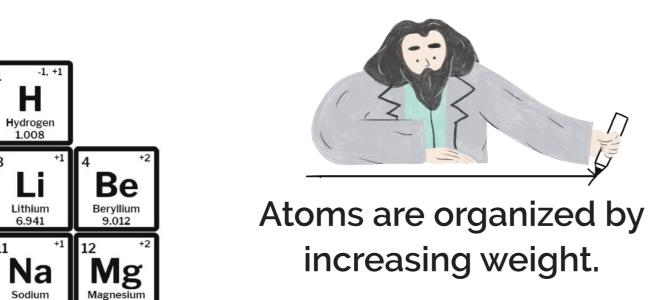
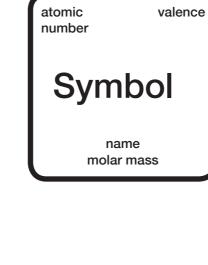
The periodic table of the elements



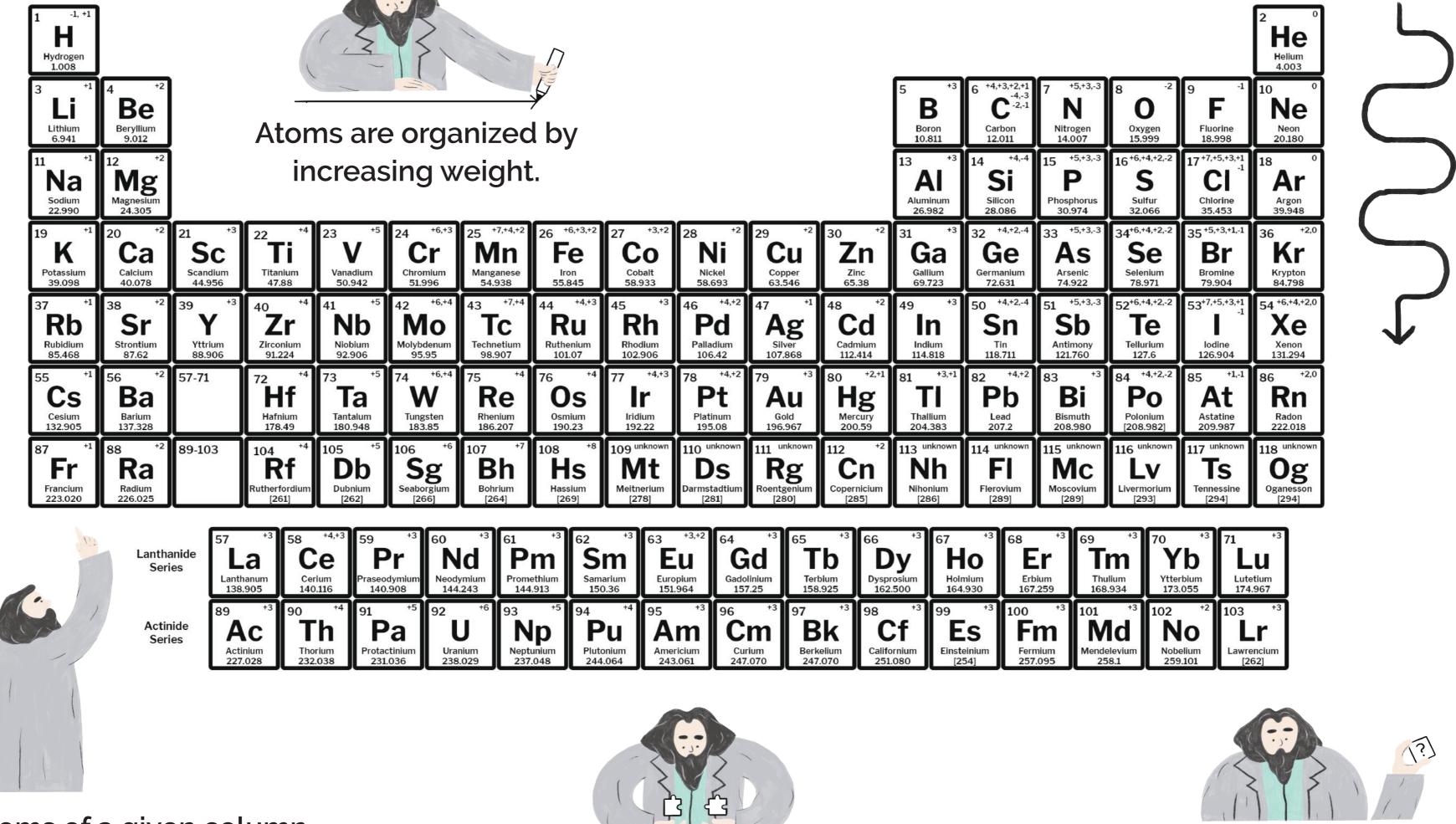
Classifies all of the atoms that exist in the universe.



Each box gives the atom's ID card.



It is « periodic » : when you start a new line at every period, some columns appear.



All the atoms of a given column show the same physical and chemical properties.

The table is a precious tool : its periodic construction helps understand the atoms' properties and how they bond into molecules.

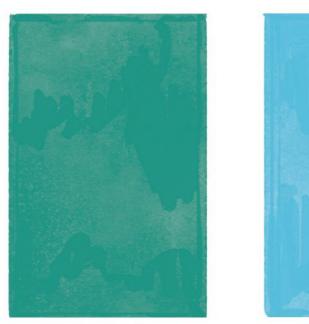
118 atoms have been observed or artificialy created to this day. Will scientists be able to make even bigger atoms in the future ?



Transition metals : hard and shiny, malleable, conductors.



Post-transition metals, metalloids or non metals: poor quality metals, semiconductors or insulators.



Halogens : very reactive insulators, toxic.

Noble gases : stable, inert and colourless.

Alkali and alkali-earth metals : soft and very reactive.



Lanthanides and Actinides : most are radioactive.

Content : Lou-Andreas Etienne. Illustration : Clara Hinoveanu. Find the project on www.vulgarisation.fr