

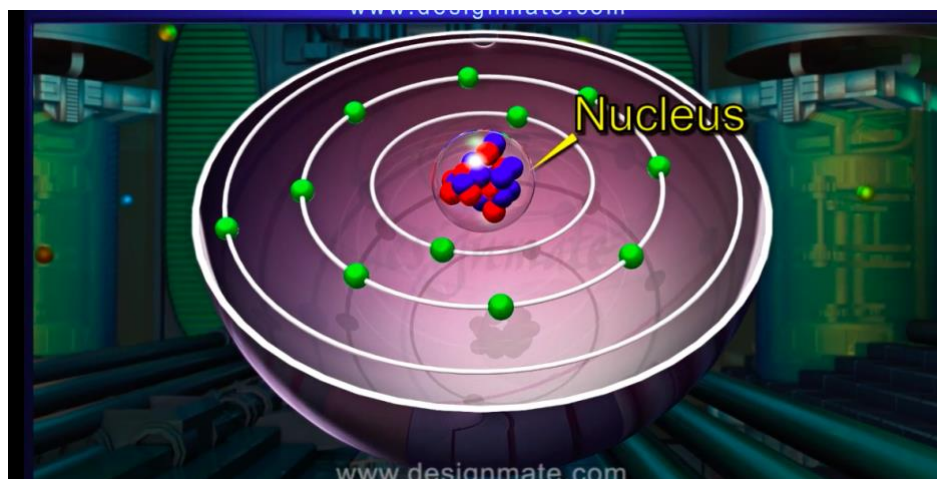
Learning objectives :

- **Periodic table**
- **Electronic configuration of an atom**

1) Watch the video



<https://tinyurl.com/bd7jeay8>



2) A multiple choice to start : for each question, choose the correct answer(s)

1. Protons are located:

a) in the nucleus of the atom.	<input type="checkbox"/>
b) in a region outside the nucleus of the atom.	<input type="checkbox"/>
c) in the same region as the neutrons.	<input type="checkbox"/>

2. A proton has:

a) no charge.	<input type="checkbox"/>
b) a negative charge.	<input type="checkbox"/>
c) a positive charge.	<input type="checkbox"/>

3. The number of protons is called the atomic:

a) number.	<input type="checkbox"/>
b) weight.	<input type="checkbox"/>
c) mass number.	<input type="checkbox"/>

4. In an atom:

a) electrons are located in various orbits.	<input type="checkbox"/>
b) the number of electrons is always equal to the number of protons.	<input type="checkbox"/>
c) a shell can accommodate any number of electrons.	<input type="checkbox"/>

5. The second orbit can accommodate a maximum of:

a) two electrons.	<input type="checkbox"/>
b) eight electrons.	<input type="checkbox"/>
c) eighteen electrons.	<input type="checkbox"/>

3) Write a short text to explain how the periodic table of elements is arranged.

You must use the following word cloud :

period number
valence group
shell

4) Prepare an oral presentation of the electronic configuration of oxygen atom.

You can use the website : <https://www.webelements.com>