

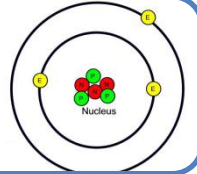
Basics of Biochemistry

Elements

- An element is...

Atoms

- An atom is...
- Atoms are usually electrically...



Neutrons:

Protons:

Electrons:

In the atomic nucleus, which provides...

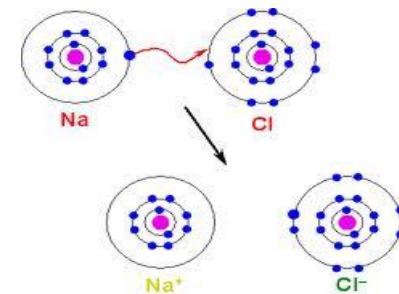
Electrons interact with...

Ions

- Ions are atoms that are...

Cations:

Anions:



Some Common Elements in Living Organisms

Element	Symbol	Atomic Number ^a	% in human body ^b	Example Use
Carbon			18.5	
Hydrogen			9.5	
Oxygen			65	
Nitrogen			3.3	
Phosphorus			1.1	
Sodium			0.15	
Iron			Trace	
Potassium			0.4	
Calcium			1.5	
Magnesium			0.1	

^a Atomic number = number of protons in the atomic nucleus

^b Approximate percentage of atoms of this element, by weight, in the human body