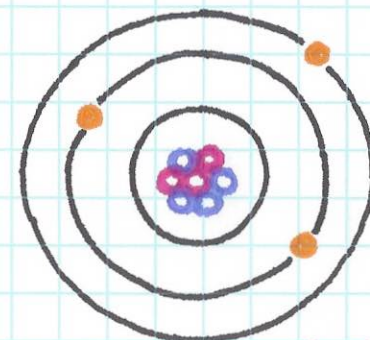


atomic structure



What's inside an atom?

SUBATOMIC PARTICLES
(smaller than an atom)

Outside Nucleus

Electrons
 e^-

Changing the #
of electrons
changes the
CHARGE

Ions

Anions
(-)

Cations
(+)

Determine Chemical Reactivity
(how atoms bond)

Inside Nucleus
(nucleons)

involved in

NUCLEAR
REACTIONS

Protons
 p^+

Neutrons
 n^0

Changing the #
of protons
changes the
IDENTITY

Changing the #
of neutrons
changes the
MASS

7

N

14.001

atomic #

Isotopes

Heavier or Lighter Versions
of the Same Element