

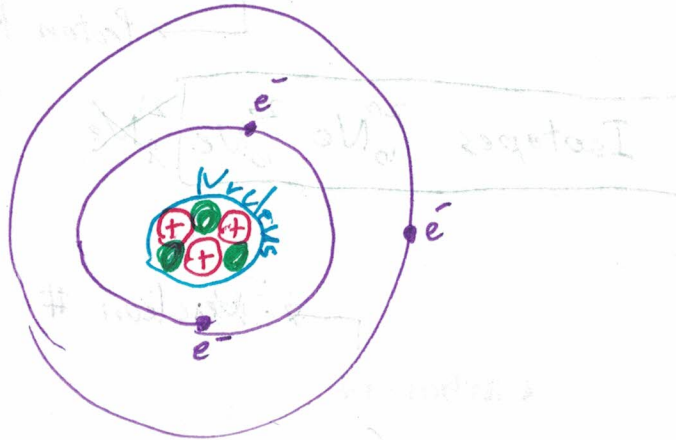
Atomic Structure	Name: _____
	Period: _____
	Date: 8/27/18

ATOM – the Smallest particle of an Element that retains the properties of that Element.

⊕ Proton

● Neutrons

• e⁻ Electron



SUBATOMIC PARTICLES

Protons

Neutrons

Electrons

Have Mass

Same Mass
as Protons

No Mass

Positive
charge +

No Charge
(Neutral)

Negative
charge -

Located in
Nucleus

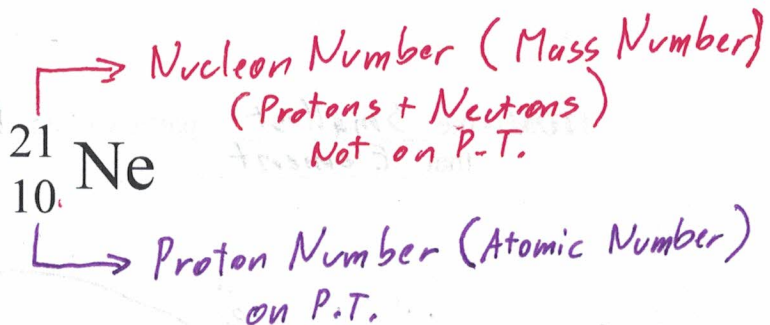
Nucleus

Located in
Orbitals moving
around the
Nucleus

ISOTOPES – Atoms of the same Element with the same number of Protons and Electrons, but different number of Neutrons.

Isotopes of an element have the exact same Chemical properties

- 10 Protons
- 11 Neutrons
- 10 Electrons



→ Nucleon Number

Carbon-14

6 Protons

8 Neutrons

6 Electrons