

NAME
ATOMIC STRUCTURE

Objectives:

Sub atomic structure

- Students will be able to model the properties of all subatomic particles.

SYMBOL	ATOMIC NUMBER	MASS NUMBER	0_1n	e^-	Charge	P^+
O	8	16	8	8	0	8
F	9	18	9	9	0	9
S	16 16	24	8	17	-1	16
U	92	172	80	91	+1	92
Am	95	209	114	95	0	95

1. In an atom, what determines the element? $\#P^+$

2. What is the mass of 1 atom of O-15? 15 amu

3. What is the unit of mass for these atoms?

Amu

See chart to the right.

4. What is the most abundant isotope of Mg?

Mg-24

5. What is the average of the isotopes listed?

24.3

