

The Atoms Family

Atomic Math Challenge

8
O
Oxygen
15.999

← _____

← _____

← _____

← _____

Atomic number equals
the number of

_____ **or** _____

Atomic mass equals
the number of

_____ + _____

8
O

15.999

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

30

Zinc
65.39

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

3
Li

6.941

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

14

Silicon
28.086

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

5
B

10.81

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

35

Bromine
79.904

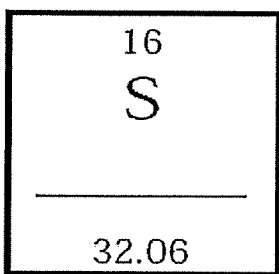
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



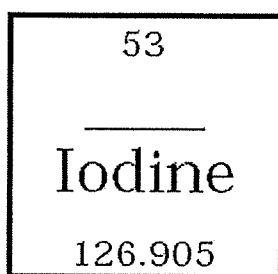
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



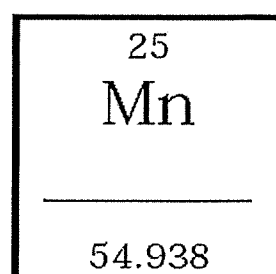
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



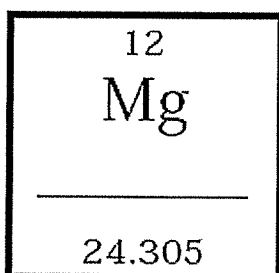
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



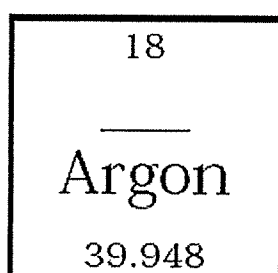
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



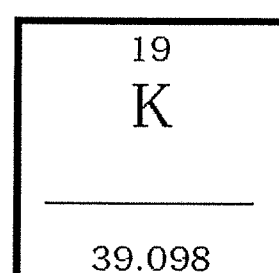
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



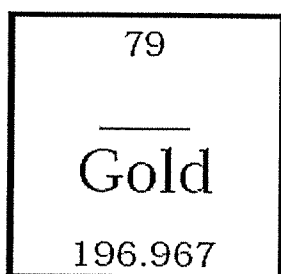
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



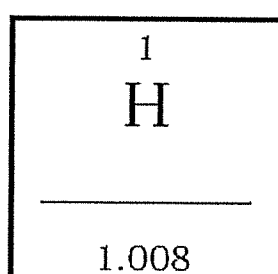
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



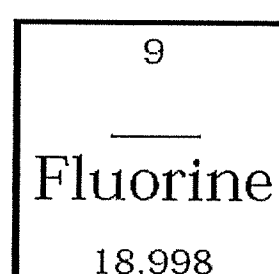
Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____



Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

Bohr Model Drawing

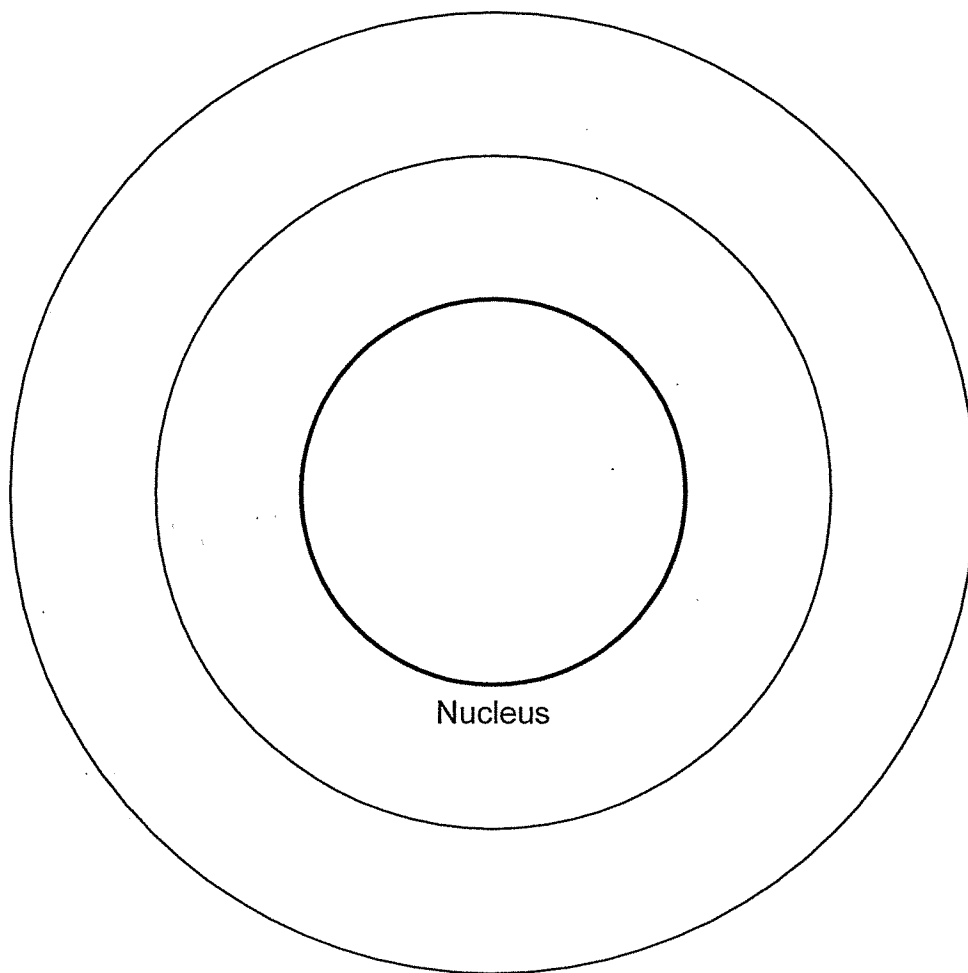
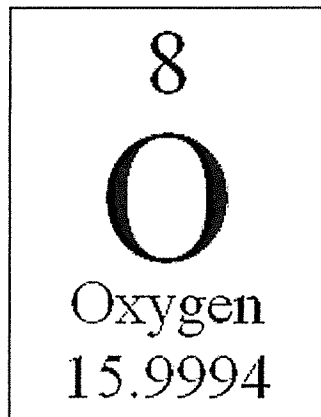
Draw a Bohr model of an oxygen atom in the space below. Be sure to place the electrons in the correct orbitals and to fill out the key for the subatomic particles.

Key

Protons:

Neutrons:

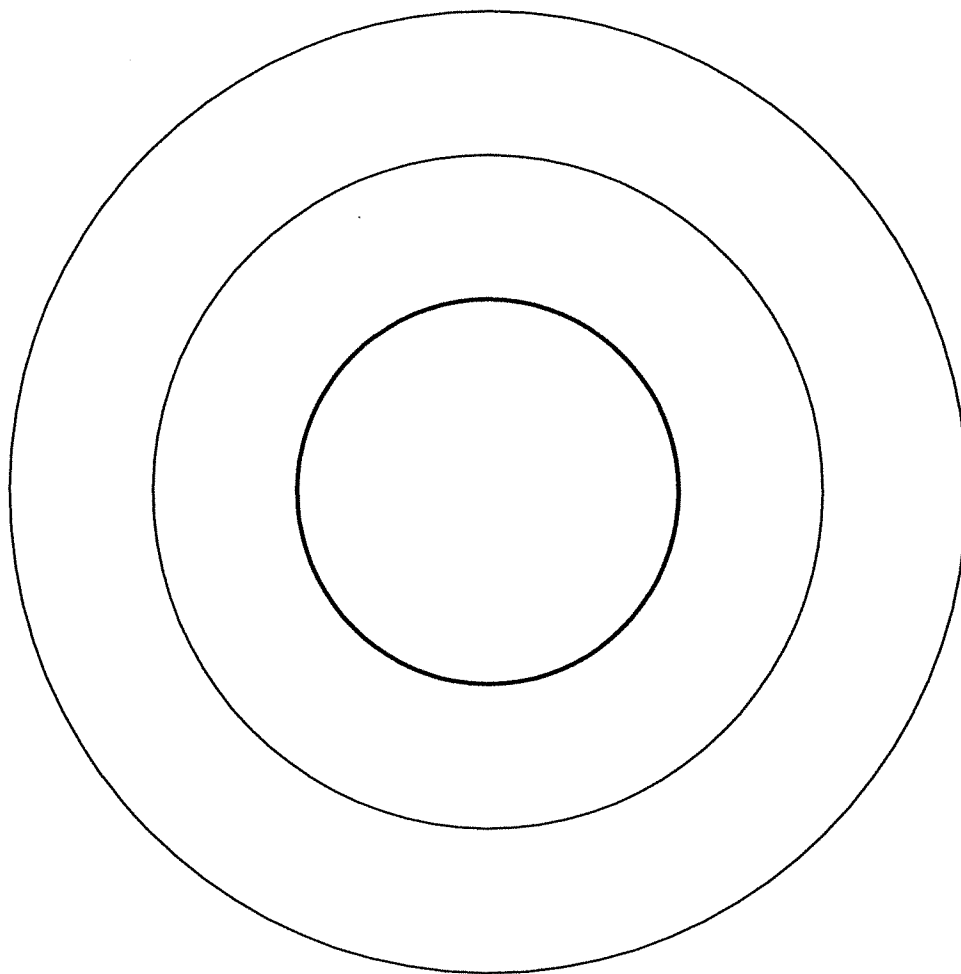
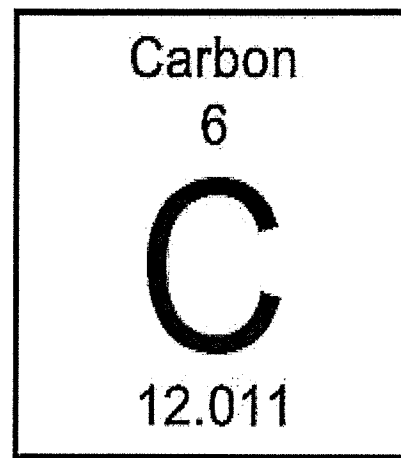
Electrons:



Protons:

Neutrons:

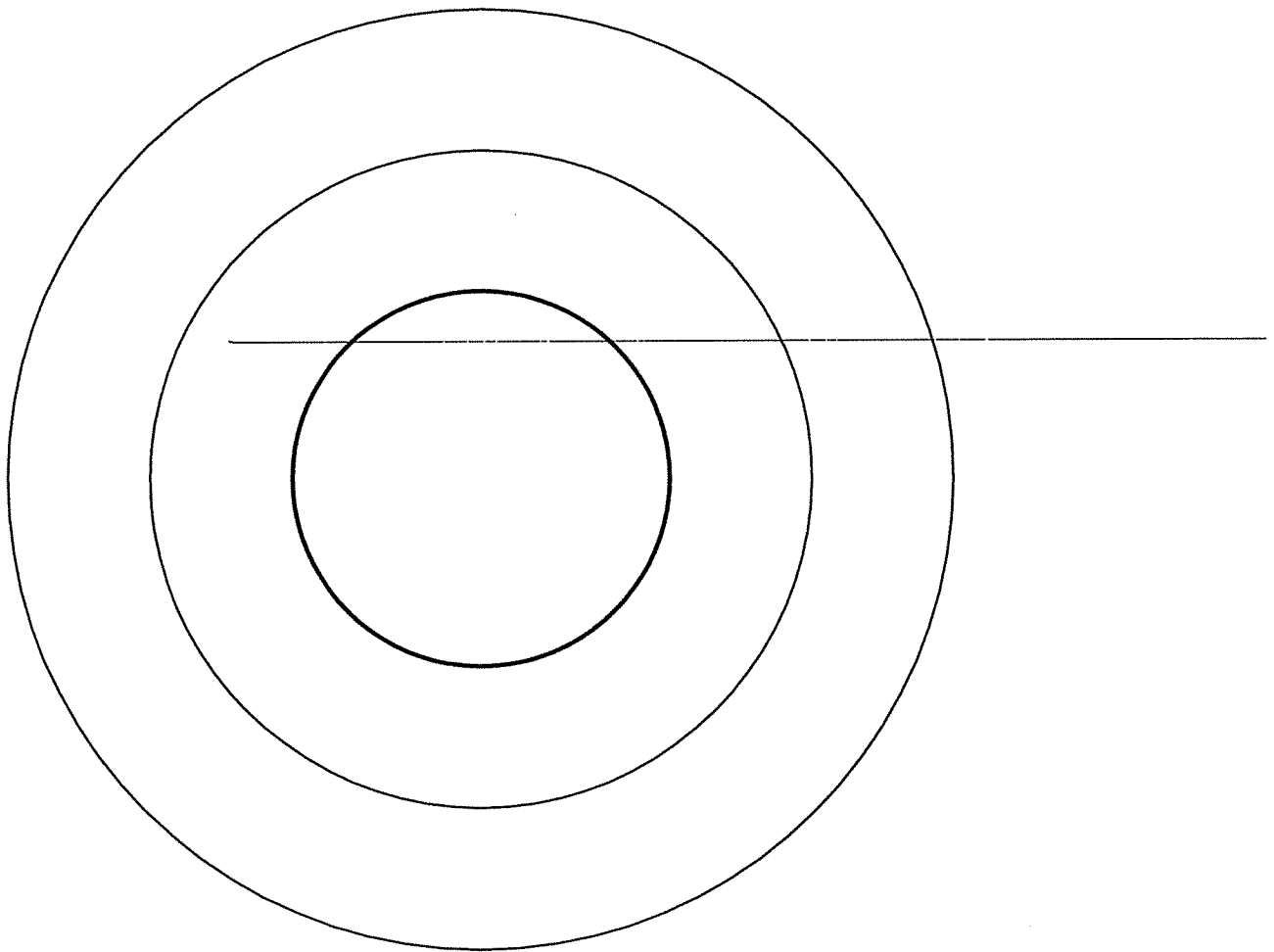
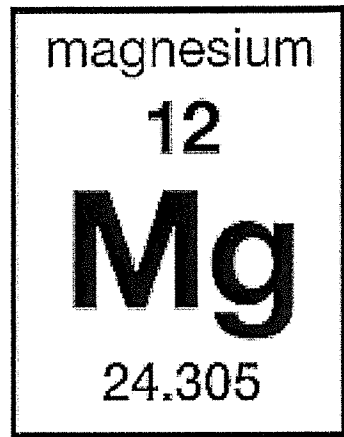
Electrons:



Protons:

Neutrons:

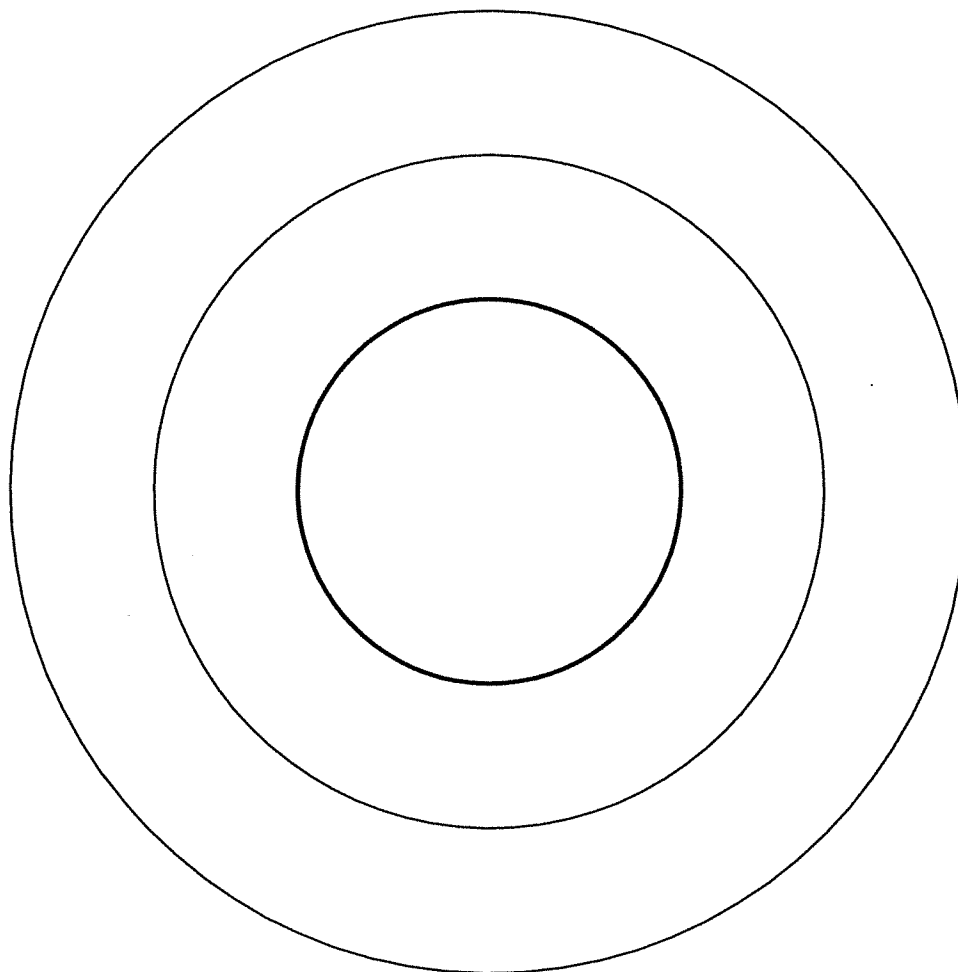
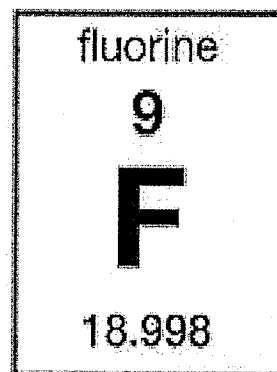
Electrons:



Protons:

Neutrons:

Electrons:



Protons:

Neutrons:

Electrons:

