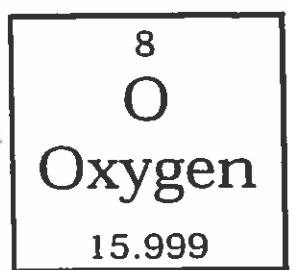


The Atoms Family
Atomic Math Challenge

Name _____

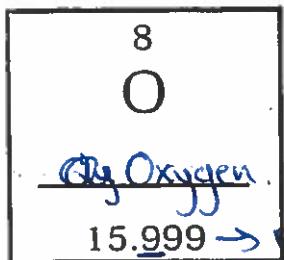


← Atomic number
← Symbol
← Element Name
← Mass Number
(Round up or down)

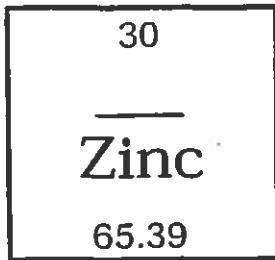
Atomic number equals
the number of
Protons or Electrons

Atomic mass equals
the number of
Protons + Neutrons

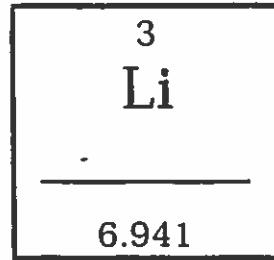
$$\# \text{ of neutrons} = \text{mass \#} - \text{atomic \#}$$



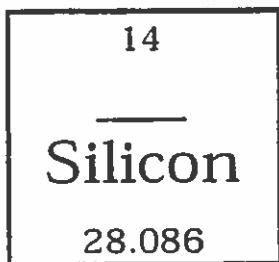
Atomic # = 8
Atomic Mass = 16
of Protons = 8
of Neutrons = 8 168
of Electrons = 8



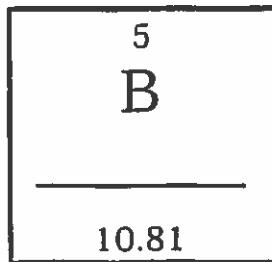
Atomic # = _____
Atomic Mass = _____
of Protons = _____
of Neutrons = _____
of Electrons = _____



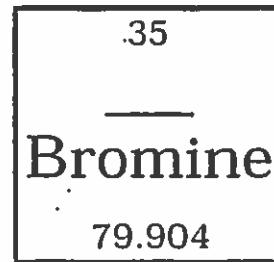
Atomic # = _____
Atomic Mass = _____
of Protons = _____
of Neutrons = _____
of Electrons = _____



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 = _____

16
S
32.06

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____

53
Iodine
126.905

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____

25
Mn
54.938

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____

12
Mg
24.305

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____

18
Argon
39.948

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____

19
K
39.098

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____

79
Gold
196.967

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____

1
H
1.008

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____

9
Fluorine
18.998

Atomic # = _____
 Atomic Mass = _____
 # of Protons = _____
 # of Neutrons = _____
 # of Electrons = _____