

The Atoms Family Atomic Math Challenge

Name ANSWER KEY

8	← <u>Atomic #</u>
O	← <u>Symbol</u>
Oxygen	← <u>NAME</u>
15.999	← <u>Atomic Mass</u>

Atomic number equals
the number of
PROTONS or ELECTRONS
(IF NEUTRALLY CHARGED)

Atomic mass equals
the number of
PROTONS + NEUTRONS

8
O
<u>OXYGEN</u>
15.999

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

30
<u>Zn</u>
Zinc
65.39

Atomic # = 30
Atomic Mass = 65
of Protons = 30
of Neutrons = 35
of Electrons = 30

3
Li
<u>LITHIUM</u>
6.941

Atomic # = 3
Atomic Mass = 7
of Protons = 3
of Neutrons = 4
of Electrons = 3

14
<u>Si</u>
Silicon
28.086

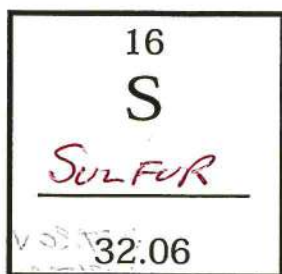
Atomic # = 14
Atomic Mass = 28
of Protons = 14
of Neutrons = 14
of Electrons = 14

5
B
<u>BORON</u>
10.81

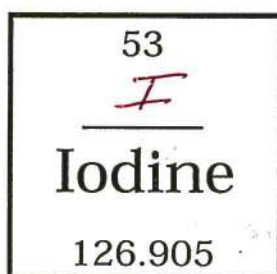
Atomic # = 5
Atomic Mass = 11
of Protons = 5
of Neutrons = 6
of Electrons = 5

35
<u>Br</u>
Bromine
79.904

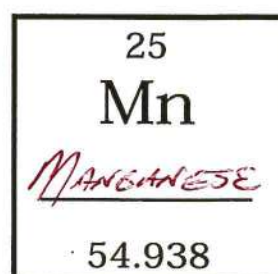
Atomic # = 35
Atomic Mass = 80
of Protons = 35
of Neutrons = 45
of Electrons = 35



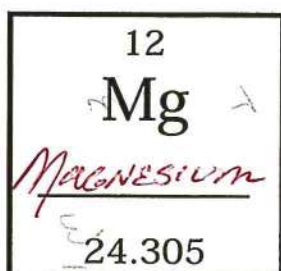
Atomic # = 16
Atomic Mass = 32
of Protons = 16
of Neutrons = 16
of Electrons = 16



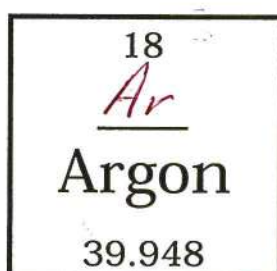
Atomic # = 53
Atomic Mass = 127
of Protons = 53
of Neutrons = 74
of Electrons = 53



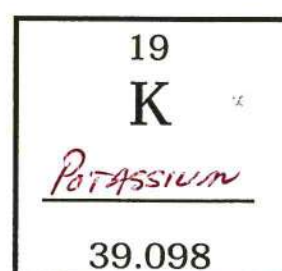
Atomic # = 25
Atomic Mass = 55
of Protons = 25
of Neutrons = 30
of Electrons = 25



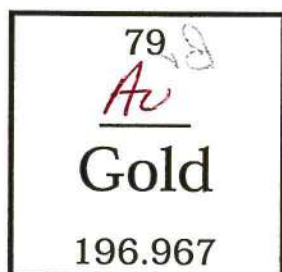
Atomic # = 12
Atomic Mass = 24
of Protons = 12
of Neutrons = 12
of Electrons = 12



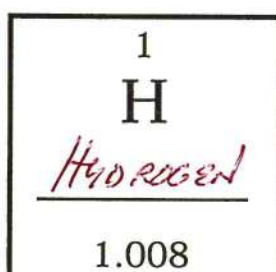
Atomic # = 18
Atomic Mass = 40
of Protons = 18
of Neutrons = 22
of Electrons = 18



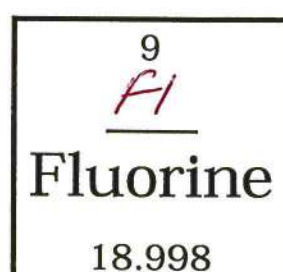
Atomic # = 19
Atomic Mass = 39
of Protons = 19
of Neutrons = 20
of Electrons = 19



Atomic # = 79
Atomic Mass = 197
of Protons = 79
of Neutrons = 118
of Electrons = 79



Atomic # = 1
Atomic Mass = 1
of Protons = 1
of Neutrons = 0
of Electrons = 1



Atomic # = 9
Atomic Mass = 19
of Protons = 9
of Neutrons = 10
of Electrons = 9