

5
B
Boron
10.81

68
E
Erbium
167.26

3
L
Lithium
6.941

57
La
Lanthanum
138.91

67
Ho
Holmium
164.93

66
D
Dysprosium
162.56

8
O
Oxygen
15.999

92
U
Uranium
238.03

16
S
Sulfur
32.06

Lanthanum:

- Metal
- Solid at room temp
- Period Number: 6
- Group Number: Lanthanide
- protons: 57 electrons:
neutrons: 82 57
- physical properties:
 - melting point
 - soft (can be cut w/ knife)
- Chemical properties
 - mixed w/ water to
make lanthanum hydroxide.
- films and cinematic projections
- 1839 by Carl Gustaf Mosander

Uranium:

- Metal
- Solid at room temp.
- Period Number: 7
- Group Number: Actinoid
- Protons: 92 Electrons:
Neutrons: 238 92
- Physical Properties:
 - shiny, silver, and ductile
- Chemical Properties
 - when mixed w/ cold water
- nuclear submarines and
nuclear weapons.
- 1789 by Martin Heinrich
Klaproth

Erbium:

- Metal
- Solid at room temp
- Period Number: 6
- Group Number: Lanthanoid
- Protons: 68 Electrons:
Neutrons: 99 68
- physical property:
 - melting/boiling point
- Chemical properties:
 - high reactivity in water
 - flammable
- conductor for heat and electricity
- 1843 by Carl Gustaf Mosander

Sulfur:

- Non-Metal
- Solid at room-temp
- Period Number: 3
- Group Number: 16
- Protons: 16 electrons: 16
Neutrons: 16
- physical property:
 - melting/boiling point
- Chemical properties
 - Burns w/ flame = sulfur dioxide
- used in rubber and gun-powder
- 1777 by Antoine Lavoisier

109
Mt
 Meitnerium
 (268)

79
Au
 Gold
 196.97

88
Ra
 Radium
 (266)

53
I
 Iodine
 126.90

47
Ag
 Silver
 107.87

28
Ni
 Nickel
 58.71

31
Ga
 Gallium
 69.72

8
O
 Oxygen
 15.999

7
N
 Nitrogen
 14.007

Gold:

- A metal
- Solid at room temperature
- Not toxic, not flammable
- Group number: 11
- Period number: 6
- 79 protons, 118 neutrons, and 79 electrons
- Used for jewelry and electronics
- Soft metal, Density: 19.3g/cc
- Discovered in 3000 BC by an unknown person

Silver:

- A metal
- Solid at room temperature
- Group number: 11, Period Number: 5
- 47 protons, 61 neutrons, and 47 electrons
- Physical Properties: Malleable and conductor of heat
- Chemical Properties: Not toxic, conductor of electricity
- Jewelry and tableware
- Approx. 3000 BC

Nickel:

- A metal
- Solid at room temperature
- Group: 10, Period: 4
- 28 protons and electrons, 31 neutrons
- Physical Properties: Silvery white metal, conducts heat
- Chemical Property: Respiratory irritant
- Batteries and power generation
- Axel Fredrik Cronstedt, 1751

Meitnerium:

- A metal presumably
- Solid at room temperature
- Group: 9, Period: 7
- 109 protons and electrons, 169 neutrons
- Unknown melting point, artificially produced
- Chemical Property: radioactive
- No common uses
- Peter Armbruster, Gottfried Münzenberg, and colleagues in 1982