
Set A: Lavoisier 1789

Hydrogen

H

Element Weight: 1

State at Room Temperature: **Gas**

Valence: **1**

Reactivity: **Highly flammable**

Set C: Moseley 1913

Helium

He

Element Weight: 4

State at Room Temperature: **Gas**

Valence: **0**

Reactivity: **Non-reactive**

Set B: Mendeleev 1869

Lithium

Li

Element Weight: 7

State at Room Temperature: **Solid**

Valence: **1**

Reactivity: **Reacts vigorously with water**

Set B: Mendeleev 1869

Beryllium

Be

Element Weight: 9

State at Room Temperature: **Solid**

Valence: **2**

Reactivity: **Reacts with oxygen to form solids that melt at very high temperatures**

Set B: Mendeleev 1869

Boron

B

Element Weight: 11

State at Room Temperature: **Solid**

Valence: **3**

Reactivity:

Set A: Lavoisier 1789

Carbon

C

Element Weight: 12

State at Room Temperature: **Solid**

Valence: **4**

Reactivity:

Set A: Lavoisier 1789

Nitrogen

N

Element Weight: 14

State at Room Temperature: **Gas**

Valence: **3**

Reactivity:

Set A: Lavoisier 1789

Oxygen

O

Element Weight: 16

State at Room Temperature: **Gas**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Fluorine

F

Element Weight: 19

State at Room Temperature: **Gas**

Valence: **1**

Reactivity: **Reacts with metals to form salts**

Set C: Moseley 1913

Neon

Ne

Element Weight: 20

State at Room Temperature: **Gas**

Valence: **0**

Reactivity: **Non-reactive**

Set B: Mendeleev 1869

Sodium

Na

Element Weight: 23

State at Room Temperature: **Solid**

Valence: **1**

Reactivity: **Reacts vigorously with water**

Set A: Lavoisier 1789

Magnesium

Mg

Element Weight: 24

State at Room Temperature: **Solid**

Valence: **2**

Reactivity: **Reacts with oxygen to form solids that melt at very high temperatures**

Set B: Mendeleev 1869)

Aluminum

Al

Element Weight: 27

State at Room Temperature: **Solid**

Valence: **3**

Reactivity:

Set B: Mendeleev 1869

Silicon

Si

Element Weight: 28

State at Room Temperature: **Solid**

Valence: **4**

Reactivity:

Set A: Lavoisier 1789

Phosphorus

P

Element Weight: 31

State at Room Temperature: **Solid**

Valence: **3**

Reactivity:

Set A: Lavoisier 1789

Sulfur

S

Element Weight: 32

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Chlorine

Cl

Element Weight: 35

State at Room Temperature: **Gas**

Valence: **1**

Reactivity: **Reacts with metals to form salts**

Set C: Moseley 1913

Argon

Ar

Element Weight: 40

State at Room Temperature: **Gas**

Valence: **0**

Reactivity: **Non-reactive**

Set B: Mendeleev 1869

Potassium

K

Element Weight: 39

State at Room Temperature: **Solid**

Valence: **1**

Reactivity: **Reacts vigorously with water**

Set B: Mendeleev 1869

Calcium

Ca

Element Weight: 40

State at Room Temperature: **Solid**

Valence: **2**

Reactivity: **Reacts with oxygen to form solids that melt at very high temperatures**

Set C: Moseley 1913

Scandium

Sc

Element Weight: 45

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Titanium

Ti

Element Weight: 48

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Vanadium

V

Element Weight: 51

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Chromium

Cr

Element Weight: 52

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Manganese

Mn

Element Weight: 55

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Iron

Fe

Element Weight: 56

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Cobalt

Co

Element Weight: 59

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Nickel

Ni

Element Weight: 59

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Copper

Cu

Element Weight: 64

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Zinc

Zn

Element Weight: 65

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set C: Moseley 1913

Gallium

Ga

Element Weight: 70

State at Room Temperature: **Solid**

Valence: **3**

Reactivity:

Set C: Moseley 1913

Germanium

Ge

Element Weight: 73

State at Room Temperature: **Solid**

Valence: **4**

Reactivity:

Set A: Lavoisier 1789

Arsenic

As

Element Weight: 75

State at Room Temperature: **Solid**

Valence: **3**

Reactivity:

Set B: Mendeleev 1869

Selenium

Se

Element Weight: 79

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Bromine

Br

Element Weight: 80

State at Room Temperature: **Liquid**

Valence: **1**

Reactivity: **Reacts with metals to form salts**

Set C: Moseley 1913

Krypton

Kr

Element Weight: 84

State at Room Temperature: **Gas**

Valence: **0**

Reactivity: **Non-reactive**

Set B: Mendeleev 1869

Rubidium

Rb

Element Weight: 85

State at Room Temperature: **Solid**

Valence: **1**

Reactivity: **Reacts vigorously with water**

Set B: Mendeleev 1869

Strontium

Sr

Element Weight: 88

State at Room Temperature: **Solid**

Valence: **2**

Reactivity: **Reacts with oxygen to form solids that melt at very high temperatures**

Set B: Mendeleev 1869

Yttrium

Y

Element Weight: 89

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Zirconium

Zr

Element Weight: 91

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Niobium

Nb

Element Weight: 93

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Molybdenum

Mo

Element Weight: 96

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Ruthenium

Ru

Element Weight: 101

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Rhodium

Rh

Element Weight: 103

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Palladium

Pd

Element Weight: 106

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Silver

Ag

Element Weight: 108

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Cadmium

Cd

Element Weight: 112

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Indium

In

Element Weight: 115

State at Room Temperature: **Solid**

Valence: **3**

Reactivity:

Set A: Lavoisier 1789

Tin

Sn

Element Weight: 128

State at Room Temperature: **Solid**

Valence: **4**

Reactivity:

Set A: Lavoisier 1789

Antimony

Sb

Element Weight: 122

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Tellurium

Te

Element Weight: 128

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Iodine

I

Element Weight: 127

State at Room Temperature: **Solid**

Valence: **1**

Reactivity: **Reacts with metals to form salts**

Set C: Moseley 1913

Xenon

Xe

Element Weight: 131

State at Room Temperature: **Gas**

Valence: **0**

Reactivity: **Non-reactive**

Set B: Mendeleev 1869

Cesium

Cs

Element Weight: 133

State at Room Temperature: **Solid**

Valence: **1**

Reactivity: **Reacts vigorously with water**

Set B: Mendeleev 1869

Barium

Ba

Element Weight: 137

State at Room Temperature: **Solid**

Valence: **2**

Reactivity: **Reacts with oxygen to form solids that melt at very high temperatures**

Set B: Mendeleev 1869

Tantalum

Ta

Element Weight: 181

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Tungsten

W

Element Weight: 183

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Osmium

Os

Element Weight: 190

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Iridium

Ir

Element Weight: 192

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Platinum

Pt

Element Weight: 195

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Gold

Au

Element Weight: 197

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set A: Lavoisier 1789

Mercury

Hg

Element Weight: 201

State at Room Temperature: **Liquid**

Valence: **2**

Reactivity:

Set B: Mendeleev 1869

Thallium

Tl

Element Weight: 204

State at Room Temperature: **Solid**

Valence: **3**

Reactivity:

Set A: Lavoisier 1789

Lead

Pb

Element Weight: 207

State at Room Temperature: **Solid**

Valence: **4**

Reactivity:

Set A: Lavoisier 1789

Bismuth

Bi

Element Weight: 209

State at Room Temperature: **Solid**

Valence: **3**

Reactivity:

Set C: Moseley 1913

Polonium

Po

Element Weight: 210

State at Room Temperature: **Solid**

Valence: **2**

Reactivity:

Set C: Moseley 1913

Radon

Rn

Element Weight: 222

State at Room Temperature: **Gas**

Valence: **0**

Reactivity: **Non-reactive**

Set C: Moseley 1913

Radium

Ra

Element Weight: 226

State at Room Temperature: **Solid**

Valence: **2**

Reactivity: **Reacts with oxygen to form solids that melt at very high temperatures**

Set__:_____

—

Element Weight: _____

State at Room Temperature: _____

Valence: ___

Reactivity: _____

