

Monday March 1, 2021

How is matter classified?

People once thought that all matter was made up of combinations of water, **air**, **fire**, and **earth**. We now know that all matter is made up of elements.

An element is a substance made up of only one type of matter. Gold, silver, and oxygen are elements. *Elements are the building blocks of matter.*

Table of Elements (Periodic Table)

DISPLAY PROPERTY/TREND																		2		
Chemical Group Block																		He		
1	H	Hydrogen Nonmetal																		
3	Li	Alkali Metal	4	Be	Boron	Alkaline Earth	21	Sc	Transition	Mg	Aluminum	12	Al	Post-Transition	13	Boron	Metalloid	10	Ne	
11	Na	Sodium	12	Mg	Magnesium	Alkaline Earth	22	Ti	Transition	13	Cr	Chromium	23	V	Transition	14	C	Carbon	18	Ar
19	K	Potassium	20	Ca	Calcium	Alkaline Earth	39	Zr	Transition	15	Mn	Manganese	24	Nb	Transition	16	N	Nitrogen	16	O
37	Rb	Rubidium	38	Sr	Sodium	Alkaline Earth	40	V	Transition	16	Fe	Iron	25	Tc	Transition	17	F	Fluorine	17	Cl
55	Cs	Cesium	-	-	-	-	41	Nb	Transition	17	Ru	Ruthenium	26	Co	Transition	18	Si	Silicon	18	Ne
87	Fr	Francium	56	Ba	Boron	Alkaline Earth	72	Hf	Transition	18	Os	Osmium	27	Co	Transition	19	P	Phosphorus	19	Ar
88	Ra	Radium	88	Ra	Radium	Alkaline Earth	73	Ta	Transition	19	Ir	Iridium	28	Ni	Transition	20	Zn	Zinc	20	S
104	Rf	Rutherfordium	-	-	-	-	74	W	Transition	19	Pt	Platinum	29	Cu	Copper	31	Ga	Gallium	21	As
105	Db	Dubnium	-	-	-	-	75	Re	Transition	19	Au	Aurum	30	Zn	Zinc	32	Ge	Germanium	22	Se
106	Sg	Singapore	-	-	-	-	106	Bh	Bohrium	107	Hs	Hassium	31	Sn	tin	33	In	Inert	23	Br
108	Mt	Moscovium	-	-	-	-	109	Hs	Hassium	110	Ds	Darmstadtium	32	Cd	Cadmium	34	Te	Technetium	24	Kr
111	Cn	Curium	-	-	-	-	110	Mt	Moscovium	111	Rg	Rutherfordium	33	Hg	Hg	35	Sb	Samarium	25	Xe
113	Nh	Nihonium	-	-	-	-	112	Cn	Curium	113	Tl	Thallium	34	Tl	Thallium	36	At	Actinium	26	Rn
114	Fm	Fermium	-	-	-	-	113	Nh	Nihonium	114	Fr	Francium	35	Pb	Lead	37	Ts	Tennessine	27	Og
115	Mc	Moscovium	-	-	-	-	114	Fm	Fermium	115	Lv	Livermorium	36	Bi	Bismuth	38	Ts	Tennessine	28	Og
116	Ts	Tennessine	-	-	-	-	115	Mc	Moscovium	116	Ts	Tennessine	37	Yb	Ytterbium	39	Ts	Tennessine	29	Og
117	Ts	Tennessine	-	-	-	-	116	Ts	Tennessine	117	Ts	Tennessine	38	Ts	Tennessine	40	Ts	Tennessine	30	Og
118	Og	Oganesson	-	-	-	-	117	Ts	Tennessine	118	Og	Oganesson	39	Ts	Tennessine	41	Ts	Tennessine	31	Og

LIVEWORKSHEETS

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All known elements are classified according to their properties. They are classified in periodic table of the elements. Here you see the period table.

The name of each element is in a box. The boxes are arranged according to the elements' properties.

1. What is an element?

2. How are they classified?

3. Name 3 elements.

LIVEWORKSHEETS