



							Goddess	charcoal, diamond, graphite, combined with O it's carbon dioxide - what plants breathe. Graphite is one of the softest materials, diamond the hardest. The only element to form "chains"	Sexuality, Fertility, Victory, Fidelity, Protection, Spirituality, Strength. As charcoal, used to burn incense.
7	N	Nitrogen	Both	Spirit	Gas	All	-	An inert, odorless, colorless gas that makes up 78% of the air. It's part of the DNA molecule, many proteins, and other parts of living cells, and essential to the "nitrogen cycle" in life. N is an extremely inert gas.	Meditation on the nitrogen cycle reflects the cycle of life, the seasons, the wheel of the year, all things cyclical.
8	O	Oxygen	Both	Air/Fire	Gas	All	-	A colorless, odorless, tasteless gas, quite reactive with most other elements. Part of DNA, and is required for life for respiration, and for combustion. It's part of thousands of organic compounds. With H, it makes up water, and is soluble in water, allowing water life. As ozone, it shields us from ultraviolet rays.	Oxygen is all around us, and used in many magickal activities - from burning a candle & incense, to breathing & speaking.
9	F	Fluorine	-	-	Gas	-	-	A pale yellow, corrosive gas, with a pungent odor. Used in producing uranium, etching glass, and cooling. Helps prevent cavities. The most reactive, non metal, it combines with most other elements.	Because of its reactive and corrosive nature, F has no magickal uses or correspondences.
10	Ne	Neon	Male	Fire	Gas	Sun	Sun Gods, Ra	A colorless, odorless gas, found in the atmosphere, and used in neon signs. It doesn't react with any other substance.	A neon sign can be used sympathetically in protection spells & rituals.
11	Na	Sodium	-	-	Solid	-	-	A soft, silvery-white metal, very reactive, and floats on water, possibly igniting on contact. The 6th most abundant element on earth, it's essential for life, tho never found free in nature. With Cl, it makes salt.	In salt, sodium is used to represent the primary element earth. As it doesn't occur free in nature, it has no magickal uses or correspondences in it's pure form.
12	Mg	Magnesium	Male	Fire	Solid	Mars	Sun Gods, Ra	A lustrous, silvery-white metal, the 8th most abundant element on earth. Lighter than Al, it's alloys are used in aerospace. It's also used in photography, flares, pyrotechnics, and incendiary bombs. It's essential for life.	Found in flash powder, Mg is used for pyrotechnic effects in incense and fire. Use with extreme caution.
13	Al	Aluminum	Male	Air	Solid	Mercury	-	A ductile, malleable, strong, hard, light, silvery-white metal, it's the most abundant metal on earth, tho not found free in nature. Many uses in aerospace, as a reflective surface, in alloys, it offers high thermal and electrical conductivity.	Conducts and directs energy, enhances thought, travel

14	Si	Silicon	Female	Earth	Solid	Earth	Gaia	Major component of sand, flint, rock crystal, and rhinestone. It's the 2nd most abundant element on earth.	As sand, silicon is used to represent the primary element of earth, and to burn charcoal on.
15	P	Phosphorous	-	-	Solid	-	-	Occurs as a waxy white solid, a red or black powder, but pure P is colorless & transparent. P is part of the DNA molecule. Burns spontaneously in air, not found free in nature, but phosphate is found in all living things, essential to life	As it doesn't occur free in nature, it has no magickal uses or correspondences in it's pure form.
16	S	Sulfur	Male	Fire	Solid	Sun	Hades, Pluto	Occurs as yellow crystals in nature, it's essential to life, and goes through a "sulfur" cycle, like N. When burned, smells like "rotten eggs", also called brimstone.	Used for protection, healing, and to drive off negative energy.
17	Cl	Chlorine	-	-	Gas	-	-	A yellow-green poisonous dense gas with a "chlorine" smell. used as a weapon in WW1. Now used in swimming pools, to purify water, and plastic. With Na, makes salt. Not found free in nature.	In salt, chlorine is used to represent the primary element earth. As it doesn't occur free in nature, it has no magickal uses or correspondences in it's pure form.
18	Ar	Argon	-	-	Gas	-	-	A colorless, odorless gas, the 3rd most abundant, making up 1% of air. It is totally inert.	As part of air, it's used like oxygen, though by itself, has no magickal uses or correspondences.
19	K	Potassium	-	-	Solid	-	-	A silvery-white soft metal, highly reactive in water, actually catching on fire, extracting hydrogen. It's essential to life, and non-toxic. One of the lightest metals. Used as fertilizer, and as a salt.	As potash (potassium carbonate), used in many alchemical processes, but pure, since it's so reactive, it has no magickal uses or correspondences.
20	Ca	Calcium	-	-	Solid	-	-	A silvery-white, soft metal, the 5th most abundant element on earth. Not found free in nature, but as limestone (calcium carbonate). Essential to life as a component of bones and teeth. Pure, it reacts with water.	As it doesn't occur free in nature, it has no magickal uses in it's pure form.
21	Sc	Scandium	-	-	Solid	-	-	A silvery-white, soft metal, it's widely distributed in nature in many different minerals. Not widely used. Reacts with water.	Because of it's reactive nature, Sc has no magickal uses or correspondences.
22	Ti	Titanium	Male	Water	Solid	Jupiter	Named after The Titans	A lustrous, hard, silvery metal, 9th most abundant on earth, present in igneous rocks. Used in aircraft & missiles because it's light and strong, and in alloys.	Strength, protection
23	V	Vanadium	Female		Solid		Named after Vanadis, or Freyja	A silvery, shiny, soft metal, found in many minerals. Used mainly as a steel additive for toughness. Essential in humans as a trace element.	Named after Vanadis, the old Norse name for Freyja.
24	Cr	Chromium	Female	Water	Solid	Moon	-	A bluish-white hard metal, takes a high polish, used to	Used for protection, repulsion of negativity,

								harden steel, in stainless steel, and in alloys. In compounds, used as pigment. In rubies, it creates the red color, added to glass, imparts green.	divination, color magick in stainless steel, as jewelry, and as a surface.
25	Mn	Manganese	-	-	Solid	-	-	A gray-white, hard metal, widely distributed on earth, and used in alloys for strength & magnetic gauss. Essential in life, adding strength to bones, activating enzymes & vitamin b. Reactive even when impure, burns in O.	In magnets, used in attraction spells & rituals. Also found in many metals, but has no correspondences of it's own.
26	Fe	Iron	Male	Fire	Solid	Mars	Vulcan	A lustrous, silvery, soft metal, the 4th most abundant by mass on earth. The most useful and inexpensive of all metals, and to make steel. Essential to life. One of the seven metals of alchemy.	Once considered inappropriate for use with worship, used now for protection, strength, and grounding.
27	Co	Cobalt	-	-	Solid	-	-	A lustrous, silvery-blue, hard metal, and an essential trace element. As salt, used for blue in pottery. As a metal, used for electroplating, and alloyed with other metals.	No magickal correspondences in it's pure form.
28	Ni	Nickel	Female	Water	Solid	Moon	-	A lustrous, malleable, ductile, silvery-white metal used in stainless steel and armour plate. Also used in money - a nickel is 25% Ni, 75% Cu	Protection
29	Cu	Copper	Female	Water	Solid	Venus	Aphrodite	A malleable, ductile, reddish-gold metal which doesn't occur naturally. Used in electrical equipment, coins, and in brass & bronze, and other alloys. Conducts electricity well. One of the seven metals of alchemy.	Conducts and directs energy, healing, love, protection
30	Zn	Zinc	Female	Water	Solid	-	-	A lustrous, bluish-white metal used in alloys as brass & solder, and for galvanizing iron. Used in many products. Essential for life, growth & development.	Protection, grounding, growth, transformation
31	Ga	Gallium	Female	Water	Solid	Earth	-	A soft, silvery metal used in semiconductors - it's much like aluminum. It stays in a liquid state in the widest range of all elements. It expands as it freezes, and it can melt in your hand. Ga is non-toxic.	Transformation, change
32	Ge	Germanium	Female	Water	Solid	-	-	A silvery semi-metal used in semiconductors and specialty glass. Transparent to infrared radiation.	Because of it's rarity, it has no known magickal uses.
33	As	Arsenic	-	-	Solid	-	-	A steel-gray metalloid. An alchemical element, it's widely recognized as a poison, though has been used as a medicine.	A widely used alchemist's element, it has no magickal uses or correspondences because of its toxicity.

34	Se	Selenium	Female	Water	Solid	Moon	-	Forms as a silvery metal or a red powder. Used in semiconductors, photocells and photocopiers, and in stainless steel. Converts light to energy. Se is carcinogenic and teratogenic, toxic in excess.	No magickal uses in its pure form, but can be used in transformation sun spells & rituals in solar cell form..
35	Br	Bromine	-	-	Liquid	-	-	A deep red oily liquid with a sharp smell, extracted from sea water, it combine readily with other elements. As a salt, once used to retard sexual desire & as a sedative. Now used as fuel additive, insecticide, photography, and in pharmaceuticals.	Because Br irritates the eyes & throat, and produces sores upon contact with the skin, it has no magickal uses or correspondences.
36	Kr	Krypton	-	-	Gas	-	-	A colorless, odorless rare gas, used in fluorescent lights and photographic flash lamps. A product of all nuclear reactors.	Because it's so rare, Kr has no known magickal uses or correspondences.
37	Rb	Rubidium	-	-	Solid	-	-	A lustrous, soft, silvery-white metal that ignites in air, and reacts violently in water. Similar to potassium. Slightly radioactive.	Because of it's reactivity, and radioactivity, Rb has no magickal uses or correspondences.
38	Sr	Strontium	-	-	Solid	-	-	A soft, silvery metal that burns in air and reacts in water. Used in fireworks for red coloring. Isotope is a byproduct of nuclear fallout. It's non toxic, but will be absorbed by the body as if it were calcium.	Its salts can be used for red coloring in pyrotechnic incense - use with extreme caution.
39	Y	Yttrium	-	-	-	-	-	A soft silvery metal used in t.v. screens for producing the color red. Also used in alloys to increase strength. Reacts with water and air. It's non toxic, but a suspected carcinogen.	Because of its suspected carcinogenic and reactive nature, Y has no magickal uses or correspondences.
40	Zr	Zirconium	Varies	Varies	Solid	-	-	A lustrous, hard silvery metal with a golden hue. When in crystal form, used as a gemstone (Zircon). Does not absorb neutrons, so it's used in nuclear reactors. Resistant to most agents. Pure, it will burn in air.	As the gemstone Zircon, magickal correspondences can vary depending on coloring, from crystal clear, smoky, or brown, through almost all colors.
41	Nb	Niobium	Male	Fire	Solid	-	Named after Niobe	A ductile, shiny, silvery white soft metal used in stainless steel as it's resistant to corrosion, and adds strength. it's easily made into wire. Used in the aviation industry, and has superconductive properties.	Also called columbium, Nb corresponds to strength and protection, and attraction. Probably best used in an alloy.
42	Mo	Molybdenum	Female	Earth	Solid	Earth	-	A silvery soft metal used in alloys, catalysts, and electrodes. It adds hardness and toughness. Essential in life in trace amounts. If soil lacks Mo, the land is barren.	Strength, protection, growth, health.

43	Tc	Technetium	-	-	Solid	-	-	A silvery metal that's radioactive. It does not occur naturally. It was the first element to be created artificially.	Because of its radioactivity, TC has no magickal uses or correspondences.
44	Ru	Ruthenium	-	-	Solid	-	-	A hard, lustrous, white metal. It's one of the rarest metals on earth. Used to harden platinum and palladium	Because of its rarity, no correspondences exist for Ru.
45	Rh	Rhodium	-	-	Solid	-	-	A lustrous, silvery, hard, platinum-like metal, the most rare on earth, used as a catalyst. A suspected carcinogen.	Because of its rarity and suspected carcinogenic property, it has no magickal uses or correspondences.
46	Pd	Palladium	Female	Earth	Solid	Moon	-	A lustrous, malleable, ductile, steel-white metal. White gold is an alloy of Au and Pd. Hydrogen diffuses thru it. It's used as a stiffener & catalyst. White gold is an alloy of Pd and Gold.	As white gold, uses are similar to gold - divinity, power, healing, protection, wisdom, money, only with female attributes.
47	Ag	Silver	Female	Water	Solid	Moon	The Goddess	A lustrous, brilliant white metal, used for jewelry & tableware since ancient times. Best reflector of light known. Highest electrical & thermal conductivity of all metals. Lowest contact resistance. One of the seven metals of alchemy.	Divinity, magick, protection, emotion, divination, dreams, calming, travel, money
48	Cd	Cadmium	Male	Air	Solid	-	-	A soft, bluish-white metal, originally used as a yellow pigment. It's toxic, carcinogenic, and teratogenic. Used in color t.v. for blue & green, and to control atomic fission. Used in alchemy.	As a pigment, Cd corresponds to the sun, air, east, wind, communication, and other correspondences for the color yellow.
49	In	Indium	-	-	Solid	-	-	A lustrous, soft, silvery-white metal, used in semiconductors. It also makes low-temperature alloys, and mirrors. Named after the color indigo. In is a teratogenic and has low toxicity.	Because of it's toxic and teratogenic qualities, In has no magickal uses or correspondences.
50	Sn	Tin	Male	Water	Solid	Jupiter	-	A soft, pliable, highly crystalline structured, silvery-white metal used to coat metals to prevent corrosion, and to create alloys such as solder, pewter, and bronze. One of the seven alchemical metals.	Divination, music, protection, good luck, money, when a tin bar is broken, a "tin cry" is heard, due to it's crystalline structure breaking
51	Sb	Antimony	-	-	Solid	-	-	Either a bright, brittle, hard, silvery colored metal or a gray powder, used in alloys to improve hardness & mechanical strength. Also used in semiconductors and bullets. Used in alchemy.	Awareness of nature spirits, shape shifting, strength, companionship
52	Te	Tellurium	-	-	Solid	-	-	A lustrous, silvery-white metal, also forms as a gray powder, used in alloys to improve machinability. It's	Because of it's toxic and teratogenic qualities, it has no magickal uses or correspondences.

								toxic and teratogenic, and causes body odors when exposed to humans.	
53	I	Iodine	-	-	Solid	-	-	A shiny, blue-black solid which changes state at room temperature into a foul smelling, blue-violet gas. Combined with alcohol, used as an antiseptic solution. Iodine salt is used in dyes & photography. Essential element for humans. In its pure form, it's irritating to the skin, eyes, and mucous membranes.	Because of its irritating qualities in its pure form, it has no magickal uses or correspondences. As a dye, it can be used for color magick.
54	Xe	Xenon	-	-	Gas	-	-	A colorless, odorless gas used as an instant, high intensity light source as in flash bulbs. Found in the atmosphere, and in vapors from some mineral springs.	There are no magickal uses of Xe in its pure form. In a strobe or flash light, it can be used for entering an altered state of consciousness. Use caution with strobe lights, they can trigger epileptic reactions.
55	Cs	Caesium	-	-	Liquid	-	-	A soft, ductile, silvery-white metal. Used in atomic clocks. Reacts quickly with O <sub>2</sub> and violently with water. Caesium hydroxide is the strongest base known.	Because of its reactive properties in its pure form, Cs has no magickal uses or correspondences.. In an atomic clock, it can be used for setting "Pagan standard time"...
56	Ba	Barium	-	-	Solid	-	-	A soft, silvery-white metal, used in barium sulphate to outline the tummy via x-rays for medical examinations. Also used in barium nitrate giving fireworks a green color. Reacts in water. Does not occur in its pure form naturally.	Because of its reactive properties, and it doesn't occur naturally, Ba has no magickal uses or correspondences.
57	La	Lanthanum	-	-	Solid	-	-	A ductile, malleable silvery-white, most reactive rare-earth metal. Oxidizes quickly in air and burns easily. Also used in flints for cigarette lighters, and in carbon lighting. La is toxic.	Because it's reactive and toxic in its pure form, La has no magickal uses or correspondences. As a flint in a lighter, it's used to light incense and candles.
58	Ce	Cerium	-	-	Solid	-	-	A lustrous, malleable, iron-gray metal, also used in cigarette lighter flints. It tarnishes in air, reacts quickly with water, and burns easily.	Because it's reactive in its pure form, Ce has no magickal uses or correspondences. As a flint in a lighter, it's used to light incense and candles.
59	Pr	Praseodymium	-	-	Solid	-	-	A soft, malleable, silvery rare earth metal, also used in cigarette lighter flints. Used in alloys and for yellow coloring in welding visor glass. Also used in carbon lighting. Reacts quickly with water, and is slightly toxic.	Because it's reactive and toxic in its pure form, Pr has no magickal uses or correspondences. As a flint in a lighter, it's used to light incense and candles.
60	Nd	Neodymium	-	-	Solid	-	-	A bright, silvery-white rare earth metal also used in	Because it's reactive and toxic in its pure form, Nd

								cigarette lighters. Also used in alloys for magnets, and in purple glass. The dust irritates the eyes, is moderately toxic, and reacts quickly in hot water.	has no magickal uses or correspondences. As a flint in a lighter, it's used to light incense and candles. In purple glass, it takes on spiritual correspondences. In magnets, it can be used for attraction.
61	Pm	Promethium	-	-	Solid	-	Named after Prometheus	A radioactive metal whose salts glow pale green. It does not occur naturally on earth. Used in nuclear powered batteries. Converts light to electricity.	Because of its radioactive nature, and it doesn't occur naturally, Pm has no magickal uses or correspondences.
62	Sm	Samarium	-	-	Solid	-	-	A silvery-white metal used in lasers, infrared absorbing glass, and since it absorbs neutrons, in nuclear reactors. It's also used in carbon lighting and in magnets. It is moderately toxic.	Because it's toxic in its pure form, Sm has no magickal uses or correspondences. In magnets, Sm can be used for attraction.
63	Eu	Europium	-	-	Solid	-	-	A silvery-white soft metal with low toxicity. It absorbs more neutrons per atom than any other element, so is used in nuclear reactors. It reacts rapidly with water and air.	Because it's reactive and toxic in its pure form, Eu has no magickal uses or correspondences.
64	Gd	Gadolinium	-	-	Solid	-	-	A silvery-white soft metal with low toxicity. Used in alloys for magnets, and electronic components, as tv screens and video recorder heads.	Because it's toxic in its pure form, Gd has no magickal uses or correspondences. In magnets, Gd can be used for attraction.
65	Tb	Terbium	-	-	Solid	-	-	A malleable, ductile, soft, silver-gray metal with low toxicity. It reacts in cold water. Used in electronic components.	Because it's reactive and toxic in its pure form, Tb has no magickal uses or correspondences.
66	Dy	Dysprosium	-	-	Solid	-	-	A lustrous, bright, hard metal with low toxicity. Used in nuclear reactors.	Because it's toxic in its pure form, Dy has no magickal uses or correspondences.
67	Ho	Holmium	-	-	Solid	-	-	A lustrous, silvery metal used in nuclear reactors, and magnets. Reacts slowly in air and water.	Because it's reactive in its pure form, Ho has no magickal uses. In magnets, Ho can be used for attraction.
68	Er	Erbium	-	-	Solid	-	-	A malleable, soft, silver-gray metal used in infra-red absorbing glass, in vanadium alloys, and as pink coloring in glazing. Reacts slowly in water, and tarnishes slowly in air.	Because it's reactive in its pure form, Er has no magickal uses or correspondences. In ceramics, it can be used in love spells and rituals.
69	Tm	Thulium	-	-	Solid	-	-	A lustrous, malleable, ductile, soft, silvery metal used in x-ray machines. Reacts with water and tarnishes in air.	Because it's reactive in its pure form, Tm has no magickal uses or correspondences.
70	Yb	Ytterbium	-	-	Solid	-	-	A lustrous, malleable, ductile, silvery metal that oxidizes in air, and reacts in water. It's more abundant than tin.	Because it's reactive in its pure form, Yb has no magickal uses or correspondences.

71	Lu	Lutetium	-	-	Solid	-	-	A silvery-white metal, with low toxicity. It's the most hard and dense of all the rare earth elements.	Because it's toxic in its pure form, Lu has no magickal uses or correspondences.
72	Hf	Hafnium	-	-	Solid	-	-	A lustrous, ductile, silvery metal, which burns in air when powdered. Used in nuclear reactors, and lighting.	Because it's reactive in its pure form, Hf has no magickal uses or correspondences.
73	Ta	Tantalum	Female	Earth	Solid	Earth	Named after Tantalus	A soft, shiny, gray metal which causes no immune response in the body. Used in surgical appliances, and to replace bone. In wire, used to weave nerves and muscles. Also used in alloys. Resists corrosion, and used in equipment for corrosives.	Healing, protection, secrecy, invisibility.
74	W	Tungsten	-	-	Solid	-	-	A lustrous, silvery-white metal, also occurring as a gray powder. Tungsten has the highest melting point and lowest vapor pressure of all metals. Used in light bulb filaments, and in alloys for strength at high temperatures. Low toxicity.	In lights, W is used for decoration, and in alloys, for strength and protection. Because it's toxic in its pure form, W has no magickal uses or correspondences.
75	Re	Rhenium	-	-	Solid	-	-	A rare, silvery metal with a high melting point which doesn't occur freely in nature, though widely spread on earth, used in alloys with W and Mo. Also used in mass spectrographs.	Because Re does not occur freely in nature, it has no magickal correspondences.
76	Os	Osmium	-	-	Solid	-	-	A lustrous, hard, dense, bluish-white metal, with a pungent smell. It's the densest of all elements, rare, and is highly toxic. Used primarily in alloys.	Because it's toxic in its pure form, Os has no magickal uses or correspondences.
77	Ir	Iridium	-	-	Solid	-	-	A lustrous, hard, silvery, rare metal almost as resistant to tarnish as gold. Used in alloys and spark plugs, it has low toxicity.	Because it's toxic in its pure form, Ir has no magickal uses.
78	Pt	Platinum	Both	Earth, fire	Solid	Moon, Sun	-	A malleable, ductile, silvery-white metal, almost as rare as gold, and as resistant to corrosion. Used in jewelry, wire, and electronic components. Unaffected by air or water. Can cost quite a bit more than gold. Used in alchemy, originally thought to be composed of gold and silver.	Protection, repels negativity, conduit of energy, shape shifting.
79	Au	Gold	Male	Fire	Solid	Sun	Sun Gods, Ra	A soft, yellowish metal, with the highest malleability and ductility of all elements. Chemically unreactive, used for coins, jewelry, in alloys, electronics, and as the standard for monetary systems. One of the seven metals of alchemy.	Divinity, Power, healing, protection, wisdom, money

80	Hg	Mercury	Both	Water, Earth, Air	Liquid	Mercury	Mercury	A silvery, heavy, liquid metal, used in alloys, electronics, signs, thermometers, and other uses, though because it's a cumulative poison, and easily absorbed through the skin, it's being phased out. One of the seven metals of alchemy.	Mercury is a poison, so its use is not recommended in magick.
81	Tl	Thallium	-	-	Solid	-	-	A soft, malleable, silvery metal, both toxic and teratogenic, even it's vapor. Contact with the skin is dangerous.	Because of its toxicity and teratogenic properties, Tl has no magickal uses or correspondences.
82	Pb	Lead	-	-	Solid	-	-	A soft, weak, ductile, pale gray metal. It's cumulatively toxic, a carcinogenic, and teratogenic. Stable in air and water, and resistant to corrosion. Has many uses in the past, but is being replaced with other, less poisonous materials. One of the seven metals of alchemy.	Because of its toxicity, and carcinogenic and teratogenic properties, lead no longer has any magickal uses.
83	Bi	Bismuth	Female	Earth	Solid	-	-	A pinkish-white, brittle metal, used in alloys, fire detectors, extinguishers, fuses, and solder, and provides a pearly effect when used in cosmetics. As bismuth carbonate, used for tummy ailments. Used in alchemy, but specifics are not known.	The original alchemical uses would seem to have been lost. As a pinkish metal, correspondence to love would seem clear, and in carbonate form, health in the tummy is indicated.
84	Po	Polonium	-	-	Solid	-	-	A silvery-gray metal discovered by Marie Curie. It's radioactive, emitting alpha particles. Used in research, and as a source of heat in space vehicles.	Because of its toxicity due to its radioactivity, Po has no magickal uses or correspondences.
85	At	Astatine	-	-	Solid	-	-	A radioactive metal, first made in 1940. Used only in research.	Because of its toxicity due to its radioactivity, At has no magickal uses or correspondences.
86	Rn	Radon	-	-	Gas	-	-	A colorless and odorless gas, Rn is inert, but decays into radioactive Po, and alpha rays. Used in cancer therapy, and research.	Because of its toxicity due to its radioactivity, Rn has no magickal uses or correspondences.
87	Fr	Francium	-	-	Solid	-	-	A highly radioactive metal that has no known uses.	Because of its toxicity due to its radioactivity, Fr has no magickal uses or correspondences.
88	Ra	Radium	-	-	Solid	-	-	A radioactive, white metal, with luminescent properties. Used at one time in luminescent paint, and for cancer therapy, it is now being phased out because of it's radioactive toxicity. It emits alpha, beta, and gamma rays, disintegrating into lead.	Because of its toxicity due to its radioactivity, Ra has no magickal uses or correspondences.
89	Ac	Actinium	-	-	Solid	-	-	A soft, silvery-white metal used in research. It is radioactive, and glows in the	Because of its toxicity due to its radioactivity, Ac has no magickal uses or

								dark as the alpha waves it emits excite the surrounding air.	correspondences.
90	Th	Thorium	-	-	Solid	-	Named after Thor	A lustrous, ductile, soft, silvery-white metal used in portable gas lights, in alloys, and as a source for nuclear power. It is radioactive, has a high melting point, and is found to occur freely in nature.	Because of its toxicity due to its radioactivity, Th has no magickal uses or correspondences.
91	Pa	Protactinium	-	-	Solid	-	-	A rare, silvery metal found in uranium ores. It is radioactive and among the rarest of elements.	Because of its toxicity due to its radioactivity, Pa has no magickal uses or correspondences.
92	U	Uranium	-	-	Solid	-	Named after Uranus	A malleable, ductile, silvery metal, used as nuclear fuel for power plants, to make isotopes, and for nuclear weapons. It is radioactive.	Because of its toxicity due to its radioactivity, U has no magickal uses or correspondences.
93	Np	Neptunium	-	-	Solid	-	Named after Neptune	A silvery metal obtained as a by-product of nuclear reactors. It is radioactive.	Because of its toxicity due to its radioactivity, Np has no magickal uses or correspondences.
94	Pu	Plutonium	-	-	Solid	-	Named after Pluto	A warm, silvery, man-made metal used for nuclear weapons, and as a compact energy source, and is obtained as a by-product of nuclear reactors. It is highly radioactive, having a half life of millions of years.	Because of its toxicity due to its radioactivity, Pu has no magickal uses or correspondences.
95	Am	Americium	-	-	Solid	-	Named after America	A silvery, man-made metal used in smoke detectors, obtained as a by-product of nuclear reactors. It is radioactive	Because of its toxicity due to its radioactivity, Am has no magickal uses or correspondences.
96	Cm	Curium	-	-	Solid	-	Named after the Curies	A silvery metal, obtained as a by-product of nuclear reactors, used in satellite technology. It is radioactive.	Because of its toxicity due to its radioactivity, Cu has no magickal uses or correspondences.
97	Bk	Berkelium	-	-	Solid	-	Named after Berkeley, CA	A silvery metal made by neutron bombardment of plutonium. No known uses. It is radioactive.	Because of its toxicity due to its radioactivity, Bk has no magickal uses or correspondences.
98	Cf	Californium	-	-	Solid	-	Named after California	A silvery metal made by neutron bombardment of plutonium. It is radioactive, and a strong neutron emitter. Used in cancer therapy.	Because of its toxicity due to its radioactivity, Cf has no magickal uses or correspondences.
99	Es	Einsteinium	-	-	Solid	-	Named after Albert Einstein	A silvery metal, discovered in the debris of the thermonuclear blast in the pacific at Eniwetok. It is radioactive, and is made by neutron bombardment of plutonium.	Because of its toxicity due to its radioactivity, Es has no magickal uses or correspondences.
100	Fm	Fermium	-	-	Solid	-	Named after Enrico Fermi	A silvery metal, discovered in the debris of the thermonuclear blast in the pacific at Eniwetok. It is radioactive, and is made by neutron bombardment of	Because of its toxicity due to its radioactivity, Fm has no magickal uses or correspondences.

								plutonium. It has a very short life span, so weighing or seeing it hasn't been achieved yet.	
101	Md	Mendelevium	-	-	Solid	-	Named after Dimitri Mendeleev	A man-made metal, produced by bombarding einsteinium with helium. Only a few atoms have actually been created. It is radioactive. Dimitri Mendeleev developed the periodic table of elements.	Because of its toxicity due to its radioactivity, Md has no magickal uses or correspondences.
102	No	Nobelium	-	-	Solid	-	Named after Alfred Nobel	A man-made metal, produced by bombardment of Cf with carbon. Only a few atoms have ever been produced. It is radioactive.	Because of its toxicity due to its radioactivity, No has no magickal uses or correspondences.
103	Lr	Lawrencium	-	-	Solid	-	Named after Ernest Lawrence	A man-made metal made by bombardment of californium with boron. Only a few atoms have ever been produced, and it has a half life of 3 minutes. It is radioactive.	Because of its toxicity due to its radioactivity, Lr has no magickal uses or correspondences.
104	Rf	Rutherfordium	-	-	Solid	-	Named after Lord Rutherford	A man-made metal produced by bombardment of Cf with carbon <sup>12</sup> . Only a few atoms have ever been produced. It is radioactive.	Because of its toxicity due to its radioactivity, Rf has no magickal uses or correspondences.
105	Db	Dubnium	-	-	Solid	-	Named after the town Dubna.	A man-made metal produced by bombardment of Cf with nitrogen. Only a few atoms have ever been produced. It is radioactive.	Because of its toxicity due to its radioactivity, Db has no magickal uses or correspondences.
106	Sg	Seaborgium	-	-	Solid	-	Named after Glenn T. Seaborg	A man-made metal produced by bombardment of Cf with oxygen. Only a few atoms have ever been produced. It is radioactive.	Because of its toxicity due to its radioactivity, Sa has no magickal uses or correspondences.
107	Bh	Bohrium	-	-	Solid	-	Named after Niels Bohr	A man-made metal produced by bombardment of bismuth by chromium in cold fusion. Only a few atoms have been produced. It is radioactive.	Because of its toxicity due to its radioactivity, Bh has no magickal uses or correspondences.
108	Hs	Hassium	-	-	Solid	-	Named after Hesse	A man-made metal produced by bombardment of lead with iron in cold fusion. Only a few atoms have ever been produced. It is radioactive.	Because of its toxicity due to its radioactivity, Hs has no magickal uses or correspondences.
109	Mt	Meitnerium	-	-	Solid	-	Named after Lise Meitner	A man-made metal produced by bombardment of bismuth with iron in cold fusion. Only a few atoms have ever been produced. It is radioactive.	Because of its toxicity due to its radioactivity, Mt has no magickal uses or correspondences.

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